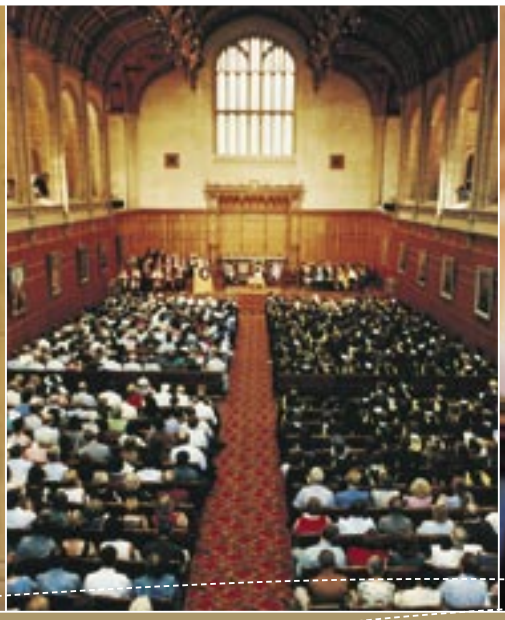
Postgraduate Calendar

THE UNIVERSITY OF ADELAIDE AUSTRALIA

SUB CRUCE LUMEN

2005 The University of Adelaide



Life Impact The University of Adelaide

THE UNIVERSITY
OF ADELAIDE
AUSTRALIA

The University of Adelaide

Calendar 2005

Handbook of Postgraduate Programs

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The Arms of the University

The heraldic description of the Coat of Arms is as follows:

Per pale Or and Argent an Open Book proper edged Gold

on a Chief Azure five Mullets, one of eight, two of seven,

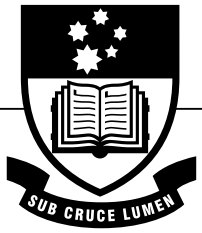
one of six and one of five points of the second,

representing the Constellation of the Southern Cross;

and the Motto associated with the Arms is

Sub Cruce Lumen

'The light (of learning) under the (Southern) Cross'



The University of Adelaide - Graduate Attributes

The University of Adelaide is a research-intensive university which seeks to develop graduates of international distinction by supporting high quality education.

The University of Adelaide provides an environment where students are encouraged to take responsibility for developing the following attributes:

1 Knowledge and understanding of the content and techniques of a chosen discipline at advanced levels that are internationally recognised.

2 The ability to locate, analyse, evaluate and synthesise information from a wide variety of sources in a planned and timely manner.

3 An ability to apply effective, creative and innovative solutions, both independently and cooperatively, to current and future problems.

4 Skills of a high order in interpersonal understanding, teamwork and communication.

5 A proficiency in the appropriate use of contemporary technologies.

6 A commitment to continuous learning and the capacity to maintain intellectual curiosity throughout life.

7 A commitment to the highest standards of professional endeavour and the ability to take a leadership role in the community.

8 An awareness of ethical, social and cultural issues and their importance in the exercise of professional skills and responsibilities.

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Adelaide Graduate Centre

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Doctor of Philosophy

PhD Rules

1 There shall be a degree of Doctor of Philosophy.

Rules

2.1 The Vice-Chancellor, with authority devolved to her/him by Council, and after receipt of advice from the Board of Research Education and Development, shall from time to time prescribe Rules defining the academic standing required for candidature, eligibility for enrolment, the program of study and research for the degree, the condition of candidature and the assessment for the degree.

2.2 Such Rules shall become effective from the date of prescription by the Vice-Chancellor or such other date as the Vice-Chancellor may determine.

Guidelines

3 The Board of Research Education and Development may from time to time approve guidelines on any matters included in these Rules and may authorise the Dean of Graduate Studies or the Manager, Graduate Administration and Scholarships, to act in accordance with such guidelines without reference to the Board in each case.

Academic standing

4.1 The academic standing required for acceptance as a candidate for the degree shall be an Honours degree of Bachelor of at least a IIA Standard or a degree of Master of the University of Adelaide or the equivalent thereof *. Applications from students with other qualifications will require the approval of the Board of Research Education and Development.

* Where a Master's degree is presented as a qualification for admission to a PhD program, the Master's degree must contain a research component deemed appropriate by the Board of Research Education and Development. A Master's degree which contains only coursework will not be accepted for this purpose.

4.2 A person who holds a degree of another university may be accepted as a candidate provided that the program of study undertaken and the academic standard reached are equivalent to those required of a candidate who is a graduate of the University of Adelaide.

4.3 The Board may accept as a candidate a graduate who does not qualify under Rules 4.1 or 4.2 *but*

(a) has completed to the satisfaction of the Board at least one year of full-time postgraduate study or research *and*

(b) has passed a qualifying examination of Honours standard prescribed by the appropriate Faculty and approved by the Board.

Credit for work previously completed

5.1 The Board may grant credit in the program for the degree of Doctor of Philosophy for research undertaken in another program in the University or in another university or tertiary institution.

5.2 The Board may also grant credit for research undertaken in an organisation other than a University or tertiary institution.

5.3 In consideration for acceptance under Rules 5.1 or 5.2, the Board must be satisfied that

(a) the person is of such academic standing as would be required of other candidates for the degree *and*

(b) the person's progress so far has been satisfactory and the research for which credit is granted is of a satisfactory standard.

Eligibility for enrolment as a candidate for PhD by publication

6.1 The Board may accept as a candidate for the degree a person who is seeking enrolment as a candidate for PhD on the basis of existing publications provided it is satisfied that the person

(a) is of such academic standing as would be required of other candidates for the degree

(b) has written certification from the relevant Executive Dean that the person has completed a substantial body of published research

(c) is a graduate of five years standing

(d) does not already hold a degree of Doctor of Philosophy *and*

(e) is an employee of the University, or is a clinical, affiliate or adjunct title holder, or is an employee of an organisation approved for the purpose of conferment of these titles.

6.2 The Board may also accept as a candidate a former employee (as defined under 6.1(e)) who has left the employ of the University or affiliated organisation for not more than two years from the date of departure provided it is satisfied that Rules 6.1 (a) to (d) have been met.

6.3 A candidate who wishes to present publications generated during candidature as the basis of the award of the degree may do so as described under 20.3.

Enrolment

7.1 A person shall not be enrolled as a candidate for the degree unless:

(a) the applicant's proposed field of study and research is acceptable to the University and the School/ Discipline responsible for the supervision of the candidate's work

(b) in the case of a person granted credit under Rule 5.1, at least one year of full-time study and research, or its equivalent, will still be necessary to complete the work for the degree

(c) In the case of a person granted credit under Rule 5.2, at least two years of full-time study and research, or its equivalent, will be necessary to complete the work for the degree.

7.2 Except with the permission of the Dean of Graduate Studies, a candidate may not enrol concurrently in another academic program.

7.3 Except with the permission of the Dean of Graduate Studies, a candidate who is permitted to enrol concurrently in another academic program and who is granted leave of absence must intermit all academic programs in which they are enrolled.

Duration of candidature and mode of study

8 A candidate may proceed to the degree by full-time study or, if the head of the School/Discipline concerned is satisfied that the candidate has adequate time to pursue supervised research under the control of the University, by half-time study. Except in circumstances approved by the Board, the work for the degree shall be completed and the thesis submitted:

(a) in the case of a full-time candidate, not less than two years and not more than four years from the date of commencement of candidature

(b) in the case of a half-time candidate, not less than four years and not more than eight years from the date of commencement of candidature

(c) in the case of a candidate granted credit under Rule 5.1 the candidature shall normally expire

(i) in the case of a full-time candidate, not less than one year and not more than four years from the date the candidate commenced work in the other program *or*

(ii) in the case of a half-time candidate, not less than two years and not more than eight years from the date the candidate commenced work in the other program.

(d) in the case of a candidate granted credit under Rule 5.2 the candidature shall normally expire

(i) in the case of a full-time candidate, not less than two years and not more than four years from the date the candidate commenced work under the control of the University *or*

(ii) in the case of a half-time candidate, not less than four years and not more than eight years from the date the candidate commenced work under the control of the University.

(e) in the case of a person accepted under Rule 6.1, a minimum of six months and a maximum of twelve months from the date of commencement of candidature. The approval of the Board is required for any different expiry date.

Work for the degree

9.1 A candidate shall pursue an approved program of study and research under the control of the University and under the general guidance of supervisors appointed by the University. At least one supervisor shall be a member of the academic staff of the School/Discipline of the University in which the candidate is enrolled.

9.2 A doctoral thesis may comprise a conventional written narrative presented as typescript (see University Calendar Specifications for Thesis), a portfolio of publications (see Rule 9.3) or creative or visual work(s) (see Rule 20.5).

9.3 The candidate may prepare a thesis which comprises a portfolio of publications which have been subject to peer review. Such publications must not have been accepted for any other university award but may have been published prior to candidature (see Rule 6.1) or during candidature

(i) Published papers submitted as a PhD thesis must be closely related in terms of subject matter and form a cohesive research narrative

(ii) The thesis shall also contain a contextual statement including a literature review, linkages between publications and a conclusion showing the overall significance of the work

(iii) The papers submitted should be sufficient for the body of work to constitute a substantial and original contribution to knowledge. The number of papers shall be determined by Faculties in consultation with specific Discipline areas. Where these papers in

themselves are deemed to constitute a body of work worthy of the award, the candidate may include, in addition, papers submitted to journals for publication

(iv) Where papers have multiple authorship, the PhD candidate must be the first or principal author and have written permission of the co-authors

(v) Only papers which have been published or accepted by journals approved by the Discipline area are allowable under these Rules.

9.4 Where other materials are to be examined, such as in the areas of visual, performing, literary or media arts, the candidate must seek approval from the Board of Research Education and Development for the form and presentation of the thesis at the time of completion of the Structured Program for entry to the PhD program

(i) The creative work may be in the form of exhibition, performance, literary work, film or other format approved by the Board of Research Education and Development;

(ii) The creative work should provide a coherent demonstration that the candidate has reached an appropriate standard in the research and has made a significant and original contribution to knowledge in the area. The creative work should be the research outcome, while the exegesis should describe the research process and elaborate, elucidate and place in context the artistic practice undertaken.

9.5 the candidate shall present the context and importance of the research at a School/Discipline seminar.

9.6 the head of School/Discipline shall certify that the thesis is worthy of examination.

Required program of activities at the commencement of candidature

10.1 Each candidate (including those on remote candidature but excluding those enrolled under Rule 6.1 or 6.2) will be enrolled on a provisional basis for the first twelve months of the degree.

10.2 Continuation of enrolment at the end of this period will depend on overall academic progress and the completion of set activities to the satisfaction of the School/ Discipline concerned. These activities will form part of a Structured Program of activities extending through the candidature.

10.3 Such activities will be determined by the School/Discipline through which the candidate is enrolled and in the first year will include the completion and presentation of the research proposal and other programs and skills training deemed necessary by the School/Discipline.

10.4 The research proposal will be agreed and submitted to the Adelaide Graduate Centre preferably within three, but no later than six months from the commencement of candidature.

10.5 A major review of progress after twelve months will recommend confirmation of candidature, termination, or the extension of provisional status. In the case of extension, a further review after a clearly defined period, normally three but not in excess of six months, would form the basis for confirmation or termination or change to a Masters enrolment.

10.6 A candidate who has completed the first year of a Master's program by research and who is qualified and permitted by the Board to transfer to the degree of Doctor of Philosophy will be deemed to have completed the Core Component of the Structured Program of activities and the transfer will confirm candidature in the PhD.

Remote candidature

11.1 Enrolment as a remote candidate may be permitted on the conditions that the School/Discipline concerned can ensure, and the Board of Research Education and Development is satisfied, that appropriate external supervision, with appropriate affiliation, and facilities are available.

11.2 A remote candidate may be required to complete a period of residence in the University of Adelaide as determined by the Board of Research Education and Development in consultation with the School/Discipline concerned.

11.3 In accordance with Rule 8, a remote candidate may proceed to the degree either by full-time or half-time study.

11.4 On the recommendation of the School/Discipline, the Board at any time may permit an enrolled student to enrol as a remote candidate subject to the conditions specified in 11.1, 11.2 and 11.3 above.

11.5 A remote candidate may be permitted to convert to the normal Ph.D. program and shall be subject to the conditions normally applied.

11.6 Not withstanding Rules 11.1 to 11.4 above, remote candidates are also required to abide by the other Rules and guidelines for the Degree of Doctor of Philosophy.

Joint candidature

12.1 Enrolment as a joint candidate may be permitted where a program of cooperation has been formally agreed between the University of Adelaide and another institution for jointly awarded degrees.

12.2 When it is proposed that the candidate spend the majority of candidature away from Adelaide, the Board of Research Education and Development must approve conditions as in 11.1.

12.3 Upon successful completion of the work for the degree, the badges of both institutions may appear on the parchment awarded.

Review of academic progress

13.1 The Board may review the progress of a candidate at any time during the program of candidature and, if the candidate's progress is unsatisfactory, may terminate the candidature.

13.2 A formal review of a candidate's progress shall be conducted by the School/Discipline at least once a year in accordance with guidelines determined by the Board of Research Education and Development and outlined in the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees.

13.3 The first formal review and confirmation of candidature will occur twelve months after enrolment (see 10.2 above). Subsequent reviews will occur around October each year with written reports forwarded to the Dean of Graduate Studies. A candidate's re-enrolment in the following year is conditional upon satisfactory progress in the year of the review.

13.4 In the case of a candidate accepted under Rule 6.1 or 6.2, the candidate's submission of the thesis for examination is conditional upon the candidate attaining satisfactory progress in the year of review.

Absence from the university

14 Except for remote candidates and candidates accepted under Rule 6.1 or 6.2, the Board, on the recommendation of the School/Discipline concerned, may permit a candidate to pursue away from the University work connected with the research for the degree. Such a permission may only be granted under special circumstances during provisional candidature.

Leave of absence

15 A candidate whose work is interrupted for a period of time may be granted a leave of absence by the Board of up to 12 months. If such an application is approved the minimum and maximum periods specified in Rule 8 will be adjusted accordingly by adding the length of the leave of absence..

Extension of candidature

16 A candidate may be granted by the Board one extension of candidature only of twelve months beyond the maximum period specified in Rule 8. If the thesis has not been submitted by the end of the extended period the candidature will lapse.

Completion of thesis outside the university

17 Except for candidates admitted under Rule 6, a candidate who has completed the equivalent of two years of full-time work under the control of the University, who has completed the experimental work (where appropriate) and whose progress is sufficiently well advanced to permit the satisfactory completion of the thesis outside the University, may be granted permission by the Board to complete the writing-up of the thesis outside the University. If such a permission is granted the candidate will be allowed either twelve months or until the end of candidature, whichever is the lesser, to submit the thesis. If the thesis has not been submitted by the end of the writing-up period the candidature will lapse.

Lapsed candidature

18.1 A candidature which has lapsed will be resumed if the completed thesis, which has not departed from the field of study which was being pursued before the candidature lapsed, is subsequently submitted to the Manager, Graduate Administration and Scholarships. The thesis will only be accepted if the School/Discipline certifies that it is satisfactory to that School/Discipline.

18.2 Approval of the Board is required for the resumption of a lapsed candidature under any other conditions.

18.3 In special circumstances the Board may approve the resumption of a lapsed candidature for one period of up to six months (whether full- or half-time) prior to the submission of the completed thesis.

Intention to submit thesis

19 A candidate shall notify the Manager, Graduate Administration and Scholarships, in writing, approximately three months before he or she expects to submit the thesis required under Rule 20. A summary of the thesis, together with the proposed thesis title, shall be submitted at the same time.

Submission of thesis

20.1 On completion of the approved program of study and research a candidate shall submit a thesis embodying the results of that study and research, and may submit also, in support of the thesis, other relevant material.

20.2 The thesis submitted shall:

(a) display original and critical thought

(b) be a significant contribution to knowledge

(c) relate the topic of research to the broader framework of the discipline within which it falls *and*

(d) be clearly, accurately and cogently written and be suitably illustrated and documented.

20.3 The thesis may comprise a portfolio of scholarly articles published during candidature. The format shall be in accordance with Rules 9.3 (i) to 9.3 (iii).

20.4 In the case of a candidate accepted under Rule 6.1 or 6.2, the candidate shall, at the end of the one year candidature, submit a thesis in accordance with the conditions in Rule 9.3.

20.5 In the case of a doctoral thesis submitted in the areas of artistic or visual practice, presentation may be in one of two forms, a) by a theoretical thesis or b) by one or more creative works and an exegesis.

20.6 In the case of a doctoral thesis submitted in the areas of artistic or visual practice, the creative work and the exegesis will not be examined separately but as an integrated whole constituting the original and substantial contribution to knowledge required from doctoral candidates.

20.7 In the case of visual or performing arts, the examiners will attend the exhibition/performance, at which time they will be given a copy of the exegesis in temporary binding. A final copy of the exegesis will be provided to the examiners within three months of their viewing the creative work.

20.8 The thesis and any other material submitted shall be assessed by examiners external to the University.

20.9 No thesis, material or publications presented for any other degree within this or any other institution shall be so submitted.

20.10 The Board shall prescribe the form in which the thesis shall be submitted and the number of copies to be submitted.

Appointment of examiners

21.1 Candidates shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to the Manager, Graduate Administration and Scholarships, at the same time as the notification of intention to submit required under Rule 19. Such objections do not serve as a veto.

21.2 The Board shall appoint two examiners who are external to the University, taking account of any objections raised under Rule 21.1 and the recommendations of the head of the relevant School/Discipline.

21.3 The examiners shall be requested to report in such form as the Board will determine and to recommend one of the alternatives listed in Rule 22.

21.4 After consideration of the reports of the examiners, the Board may appoint a third external examiner and/or an external arbitrator.

Examination results

22 After consideration of the reports of the examiners and such other information as it thinks fit, the Board shall determine that:

(a) the candidate be awarded the degree *or*

(b) the candidate be awarded the degree but that minor amendments be made to the thesis *or*

(c) the candidate be awarded the degree subject to the specified amendments being made to the thesis *or*

(d) the candidate be not awarded the degree but be permitted to re-submit the thesis in a revised form *or*

(e) the candidate be awarded the appropriate degree of Master *or*

(f) the candidate be awarded the appropriate degree of Master upon making suitable amendments to the thesis *or*

(g) the candidate be not awarded the degree of Doctor of Philosophy or the degree of Master *or*

(h) for candidates accepted under Rule 6 any amendments under 22(b), (c) or (d) shall be confined to contextual statements referred to in Rule 9.3(ii).

Deposit of thesis in the library

23 Such number of copies of a thesis and any other material on which the degree is awarded shall be deposited in the Barr Smith Library or elsewhere in the University as determined by the Board. Unless otherwise determined by the Board, the copies shall be available for loan and photocopy.

Loan or photocopy of thesis

24 A candidate who does not wish to allow the thesis to be lent or photocopied when it is deposited in the Library under Rule 23 shall make a written application to the Manager, Graduate Administration and Scholarships, at the same time as he or she notifies his or her intention to submit under Rule 19. The withholding of such permission and the period of time involved shall be determined by the Board.

General

25 When, in the opinion of the Board of Research Education and Development, special circumstances exist, the Board, on the recommendation of the relevant School/Discipline in each case, may vary any of the provisions in Rules 1-24 above.

Masters Degrees by Research

The General Academic Program Rules shall apply to all Masters by Research programs at the University of Adelaide. Specific Academic Program Rules for other Masters by Research awards have been developed within the framework of these General Masters Rules and are listed under their respective Faculty/School. The following academic programs have no specific Academic Program Rules and therefore are bound entirely by the General Masters Program Rules:

Master of Agricultural Science

Master of Applied Science

Master of Design Studies

Master of Design Studies (Landscape)

Master of Science

Master of Urban Design

General Masters Rules

1 All students must comply with both the General and Specific Academic Program Rules and are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Rules

2 The Board of Research Education and Development may from time to time approve guidelines on any matters included in these Rules and may authorise the Dean of Graduate Studies or the Manager, Graduate Administration and Scholarships, to act in accordance with such guidelines without reference to the Board in each case. Notwithstanding this, Faculties may develop their own specific guidelines as permitted within the framework of these Rules.

Definitions

3.1 A Masters Degree by Research shall, in general, have the objectives of

(a) training students in research methodology and techniques

(b) developing critical evaluation skills appropriate to their research topic

(c) application of such methods by conducting a specified program of research under appropriate supervision and the development of new knowledge where possible

(d) providing training in literature analysis *and*

(e) encouraging debate in the substantive area of the thesis at an advanced level.

3.2 Examiners for a Masters degree should satisfy themselves that the candidate has

(a) a thorough understanding of the relevant methodology as demonstrated by a thorough critical review of the literature

(b) demonstrated competence through judicious selection and application of appropriate methods to yield meaningful results

(c) demonstrated the capacity to evaluate critically these results and presented a clear and well written thesis or portfolio of scholarly publications (see 13.3 below).

Duration of candidature and mode of study

4.1 A candidate may proceed to the degree by full-time or half-time study.

4.2 Except by special permission of the Board, the work for the degree shall be completed and the thesis submitted:

(a) in the case of a full-time candidate, not less than one year nor more than two years from the date of commencement of candidature

(b) in the case of a half-time candidate, not less than two years nor more than four years from the date of commencement of candidature.

Admission

5.1 Admission to candidature for a Masters degree by research in the University may be granted to:

(a) persons qualified for an Honours degree from the University of Adelaide appropriate to the proposed field of research

(b) persons qualified for an Honours degree from another university or tertiary institution equivalent to an Honours degree from the University of Adelaide and appropriate to the proposed field of research

(c) others having qualified for a degree, whose academic qualifications are accepted by the Board as sufficient.

5.2 Unless an Honours degree or a qualification accepted by the Board as equivalent has been obtained, the applicant shall be required to complete a course of study prescribed by the Faculty and approved by the Board and to pass a qualifying examination of an Honours standard before being admitted as a candidate. This qualification shall be completed within one year if the study is undertaken on a full-time basis or two years if it is undertaken on a half-time or external basis except where the Board grants an extension of time.

5.3 Subject to the approval of the Board acting on the advice of the Faculty, a person who does not hold a degree of a university, but has given satisfactory evidence of fitness to undertake work for the degree, may be accepted as a candidate.

5.4 A person shall not be enrolled as a candidate for the degree unless:

(a) the applicant's proposed field of study and research is acceptable to the University and the School/Discipline responsible for the supervision of the candidate's work

(b) there is available at least two supervisors able to provide supervision of the proposed candidacy throughout its likely duration. The principal supervisor shall be a member of the academic staff of the School/Discipline of the University in which the candidate is enrolled *and*

(c) suitable resources and facilities are available (either in the University or, by arrangement acceptable to the Faculty, elsewhere) for the proposed research to be undertaken.

Enrolment

6.1 Each candidate shall be enrolled on a provisional basis for the first twelve months of the degree.

6.2 Continuation of enrolment at the end of this period will depend on overall academic progress including the satisfactory completion of the Core Component of the Structured Program within six months (or part time equivalent) from the commencement of candidature.

6.3 The Core Component of the Structured Program shall include the formulation of a research proposal and usually, its presentation at a seminar, together with any other elements as determined by the Faculty.

6.4 A Major Review of progress after twelve months will recommend confirmation of candidature, termination, or the extension of provisional status. In the case of extension, a further review after a clearly defined period, normally three months, would form the basis for confirmation or termination of enrolment.

6.5 Except with the permission of the Board, a candidate may not enrol concurrently in another academic program.

6.6 Except with the permission of the Board, a candidate who is permitted to enrol concurrently in another academic program and who is granted leave of absence must intermit all academic programs in which they are enrolled.

6.7 A candidate who has completed the first year of a Masters by research program and who is qualified and permitted by the Board to transfer to the degree of Doctor of Philosophy will be deemed to have completed the Core Component of the Structured Program and the transfer will confirm candidature in the PhD.

Remote candidature

7.1 Enrolment as a remote candidate may be permitted on the conditions that the School/Discipline concerned can ensure, and the Board of Research Education and Development is satisfied, that appropriate external supervision, with appropriate affiliation, and facilities are available.

7.2 A remote candidate may be required to complete a period of residence in adelaide as determined by the Board of Research Education and Development in consultation with the School/Discipline concerned.

7.3 In accordance with rule 4.1, a remote candidate may proceed to the degree either by full-time or half-time study.

7.4 On the recommendation of the School/Discipline, the Board at any time may permit an enrolled student to enrol as a remote candidate subject to the conditions specified in 7.1, 7.2 and 7.3 above.

7.5 A remote candidate may be permitted to convert to the normal Masters by Research program and shall be subject to the conditions normally applied.

7.6 Not withstanding Rules 7.1 to 7.4 above, remote candidates are also required to abide by the other Rules and guidelines for the degree of Masters by Research.

Review of academic progress

8.1 The Board may review the progress of a candidate at any time during the program of candidature.

8.2 A candidate's progress will be formally reviewed at least once per year at the time of the Annual Review.

8.3 Following a formal review, if, in the opinion of the Board, a candidate is not making satisfactory progress, it may place the candidate on probation for one semester, requiring satisfactory completion of a defined program of research activities in that semester.

8.4 Failure to complete the program of activities (determined in 8.3) to the satisfaction of the Faculty will, with the

endorsement of the Board lead to the termination of candidature.

Leave of absence

9 A candidate whose work is interrupted for a period of time may be granted a leave of absence by the Board of up to twelve months. If such an application is approved, the minimum and maximum periods specified in Rule 4 will be adjusted accordingly by adding the length of the leave of absence.

Extension of candidature

10 Irrespective of full time or half time status, a candidate may be granted by the Board one extension of candidature only of six months beyond the maximum period specified in Rule 4.2. If the thesis has not been submitted by the end of the extended period, the candidature will lapse.

Completion of thesis outside the University

11 A candidate who has completed the equivalent of one year of full-time work under the control of the University, who has completed the experimental work (where appropriate) and whose progress is sufficiently well advanced to permit the satisfactory completion of the thesis outside the University, may be granted permission by the Board to complete the writing-up of the thesis outside the University. If such permission is granted the candidate will be allowed either twelve months or until the end of candidature, whichever is the lesser, to submit the thesis. If the thesis has not been submitted by the end of the writing-up period the candidature will lapse.

Lapsed candidature

12.1 A candidature which has lapsed will be resumed if the completed thesis, which has not departed from the field of study that was being pursued before the candidature lapsed, is subsequently submitted to the Manager, Graduate Administration and Scholarships. The thesis will only be accepted if the School/Discipline certifies that it is satisfactory to that School/Discipline.

12.2 Approval of the Board is required for the resumption of a lapsed candidature under any other conditions.

Intention to submit thesis

13 A candidate shall notify the Manager, Graduate Administration and Scholarships, in writing, approximately three months before he or she expects to submit a thesis for examination. A summary of the thesis, together with the proposed thesis title, shall be submitted at the same time.

Submission of thesis

14.1 On completion of the approved program of study and research a candidate shall submit a thesis embodying the results of that study and research, and may submit also, in support of the thesis, other relevant material.

14.2 The thesis shall embody the values described in Rule 3.2.

14.3 Where acceptable to the Faculty, a Masters candidate may present a portfolio of scholarly publications which have been subjected to peer review in lieu of a standard Masters thesis.

(i) the thesis shall contain a literature review, a contextual statement providing linkage between publications and a conclusion demonstrating the overall significance of the work

(ii) if multi-authored publications are included, the candidate shall submit a signed written statement setting out the candidate's contribution to each of the publications included in the thesis

(iii) the Head of School/Discipline shall certify that the thesis is worthy of examination.

14.4 No thesis, material or publications presented for any other degree within this or any other institution shall be so submitted.

14.5 The Board shall prescribe the form in which the thesis shall be submitted and the number of copies to be submitted.

Appointment of examiners

15.1 Candidates shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to the Manager, Graduate Administration and Scholarships, at the same time as the notification of intention to submit required under Rule 13. Such objections do not serve as a veto.

15.2 Assessment of the thesis shall in every case be by not less than two examiners appointed by the Board of whom:

(a) at least one shall be external to the University

(b) at least one shall be an academic member or affiliate of a tertiary institution.

15.3 The candidate's supervisors shall not be eligible to act as examiners.

15.4 The examiners shall be requested to report in such form as the Board will determine and to recommend one of the alternatives listed in Rule 16.1.

15.5 After consideration of the reports of the examiners, the Board may appoint a third external examiner and/or an external arbitrator.

Examination results

16.1 After consideration of the reports of the examiners and such other information as it thinks fit, the Board shall determine that:

(a) the candidate be awarded the degree *or*

(b) the candidate be awarded the degree but that minor amendments be made *or*

(c) the candidate be awarded the degree subject to the specified amendments being made to the thesis *or*

(d) the candidate be not awarded the degree but be permitted to re-submit the thesis in revised form within one year *or*

(e) the candidate be not awarded the degree.

The examiners of a thesis resubmitted following recommendation (d) may recommend only (a), (b) (c) or (e) above.

16.2 Where a Masters by research program contains course work, the candidate shall be required to pass both the course work and thesis components independently but, in exceptional circumstances, this requirement may be waived by the Board.

Qualification requirements

17.1 To qualify for the degree, a candidate shall submit a thesis upon an approved topic and shall adduce sufficient evidence that the thesis is his or her own work. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged. A candidate may also submit other contributions to the research field of the thesis in support of his or her candidature or submit a portfolio of scholarly publications, published during candidature.

17.2 A candidate for the degree of Doctor of Philosophy whose work is considered by the Board, after report by the examiners appointed to adjudicate upon it, not to be of sufficient merit to qualify for the degree of Doctor but of sufficient merit for the degree of Master may be admitted to the degree of Master. In such event, any required amendments to the thesis shall be made to the satisfaction of the Head of Discipline and the candidate's supervisors.

Deposit of thesis in the library

18 Such number of copies of a thesis and any other material on which the degree is awarded shall be deposited in the Barr Smith Library or elsewhere in the University as determined by the Board. Unless otherwise determined by the Board, the copies shall be available for loan and photocopy.

Loan or photocopy of thesis

19 A candidate who does not wish to allow the thesis to be lent or photocopied when it is deposited in the Library under Rule 17 shall make a written application to the Manager, Graduate Administration and Scholarships, at the same time as he or she notifies his or her intention to submit under Rule 12. The withholding of such permission and the period of time involved shall be determined by the Board.

Graduation

20 Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

General

21 When, in the opinion of the Board of Research Education and Development, special circumstances exist, the Board, on the recommendation of the relevant Faculty in each case, may vary any of the provisions in Rules 1-20 above.

Higher Degrees by Research

Introduction

This document must be read in conjunction with the:

(a) Academic Program Rules for the relevant degree/s which are published in Volume II of the University Calendar *and*

(b) The Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters degrees by research offered by the University of Adelaide. These degrees are awarded mainly on the successful examination of a thesis prepared by the student under supervision and embodying the results of a period of research. (Faculties may also apply these guidelines to the research components of those Masters degrees which have an advanced study or coursework component and a research component.)

These documents are intended for use by supervisors and students throughout the period of candidature and will be a useful reference for intending students, Heads of Schools/Disciplines and Postgraduate Coordinators.

1 The enrolment process

1.1 The decision to enrol

Several factors must be taken into account by a potential student and the Head of the relevant School/Discipline before a decision is made about enrolling in a higher degree.

(a) Academic

In general, it is necessary for the potential student to have qualified for an Australian university honours degree (first or second class) or its equivalent, or higher.

(b) Finance

The degree of Doctor of Philosophy and Masters by Research can be completed on a half-time basis, so that it is possible for students, in some instances, to be self-supporting from sources other than scholarships while enrolled. The University and the Commonwealth Government each offers a limited number of postgraduate scholarships annually almost exclusively to full-time students. Details of the scholarships available may be obtained from the Adelaide Graduate Centre.

Schools and Disciplines receive funding which is based (in part) on the number of postgraduate students enrolled in the School/Discipline, and they are expected to provide adequate equipment and funds for the research to be carried out. In particular, the development of the research proposal must take account of both the academic acceptability of the project and the resource implications for the School/Discipline and Faculty concerned.

(c) Choice of research topic and supervisors

A person who is contemplating enrolling for a higher degree should discuss the proposed candidature with the Head or Postgraduate Coordinator and members of the relevant School(s)/Discipline(s), and a decision must be made before the commencement of the candidature on the general area of study and the supervisors to be appointed to guide the student in the research. Since it is important that the supervisors are active in the general area of research which is chosen, it is clear that the choice of the research topic and supervisors are inter-related and decisions on both matters will need to be made together.

Guidelines for the supervision of higher degree by research students are outlined in the Code of Practice. Intending students may find it useful to discuss the general approach to supervision with potential supervisors at the outset. Clear understandings on issues such as how closely the work is to be supervised, the planned frequency of meetings between supervisors and students, the expectation of such meetings and the nature and level of commentary on the various stages of the work should be reached as soon as the supervisor has been appointed.

Where a student is to participate in a team project, the student's specific contribution to the project and the relationship with other participants should be clarified at the outset.

Where a student is to enrol in the Program remotely (refer Section 3 below), appropriate external supervision must be confirmed by the Head of School/Discipline, and approved by the Board of Research Education and Development, prior to enrolment. External supervisors should be affiliated with an appropriate university or research facility.

1.2 Enrolment

Research students are advised to enrol and commence their studies at the beginning of either Semester I or Semester II, as appropriate, so that they can participate in the Structured Program organised by their respective Faculty/School/Discipline and the compulsory Induction Program organised by the Adelaide Graduate Centre.

Enrolment forms are issued only when an application for candidature has been accepted. In the case of an applicant who had previously enrolled in a program in the University of Adelaide, an enrolment form will NOT be issued if the applicant has outstanding financial or other obligation(s) with the University. If you are in such a position, please contact the Student Centre for further details. Completed forms must be returned before the date on which work commences for the degree.

2 The Structured program

Each student commencing a PhD or Masters by Research is required to complete a Structured Program. The program comprises a Core Component to be completed within six months from the commencement of candidature (or part time equivalent) and a Development Component that extends for the duration of candidature. The Core Component involves at a minimum the completion and presentation of a detailed research proposal at a School/Discipline seminar, participation in a School/Discipline induction and regular attendance of the School/Discipline seminar program. Students will be required to complete and submit the Completion of the Core Component of the Structured Program form to the Adelaide Graduate Centre upon completion of the Core Component.

The focus of the Development Component is on acquiring professional and transferable skills that will facilitate the student's transition to a range of work environments. Participation in Development Component activities will be monitored as part of the Annual Review of Progress.

2.1 The Integrated Bridging Program (IBP) for international research students

Where applicable, international students, who have not been granted an exemption, are required to complete the Integrated Bridging Program as part of the Core Component of the Structured Program. The IBP is an innovative and successful 12-week program to help international research students gain access quickly and effectively to the academic, linguistic and cultural conventions of postgraduate study in their School or Discipline within the University of Adelaide. It usually focuses on supporting students in the production of a literature review and a research proposal, presented both as an oral presentation and as a written document. On arrival, all international research students should contact the IBP staff in the Adelaide Graduate Centre to discuss how the program can best contribute to supporting their progress.

3 Remote program for Higher Degrees by Research

Application for enrolment in the Remote Program must be made on the appropriate form. Special conditions will apply and applications are considered by the Board of Research Education and Development on a case by case basis. A period of residence at the University of Adelaide may be required. The Head of School/Discipline must ensure that appropriate external supervision and facilities are available before recommending to the Board of Research Education and Development that a student be permitted to enrol in the Remote Program.

If the status of candidature is to be full-time, the Board of Research Education and Development must be satisfied that the student is able to devote full attention to the research project. Accordingly, the student must provide documentation supporting the application in the form of, for example, a supporting letter from the external supervisor and/or the Head of the institution or facility in which the student is to undertake the research and this must be accepted by the School/Discipline and the Board of Research Education and Development.

The financial implications of the student's research project must be negotiated and clarified between the School/Discipline, and any other external institution that is involved in providing supervision or facilities, in advance of confirmation of the student's candidature. The University cannot accept any retrospective financial claims. Similarly, any claims to be made on the intellectual property generated by the student must be negotiated between and confirmed with all parties concerned in advance of confirmation of the student's candidature.

As with other internal students, Remote students will also be subject to the normal Academic Program Rules and policies, including reviews of academic progress and annual re-enrolment. The University of Adelaide will at all times retain the ultimate authority over all matters pertaining to the student's candidature, the process of examination of the thesis and the award of the degree.

4 Intellectual property

In instances where a student and supervisor identify a general area of research in a commercially sensitive area, the student must sign a Student Project Participation Agreement (SPPA) with the University at the time of enrolment or as soon as possible thereafter.

If a potential student is an employee of another organisation, a formal agreement must be reached between, the University and the student's employer with respect to the ownership of any intellectual property arising from the research, preferably prior to enrolment.

The SPPA or any agreement between the University and a student's employer must be signed before the completion of the Core Component of the Structured Program.

5 Further information

Intending students requiring further information are requested to contact the Adelaide Graduate Centre.

1 Preparation

The responsibility for the layout of the thesis and selection of the title rests with the student after discussion with the supervisor(s), and the completed thesis should be shown to the supervisor(s) before submission. The student must consult with the School/Discipline concerning selection of an appropriate style for the thesis. Research Education Development Programs run seminars and workshops on thesis writing.

This national collaborative program has established a distributed database of digital versions of theses produced by postgraduate research students at Australian universities. The University of Adelaide is a member of this program.

University of Adelaide postgraduate research students are encouraged to deposit a digital copy of their PhD or research Master thesis in addition to the required printed copies. The following are general guidelines, but consultation with the Librarian may be required:

(a) the thesis must have been officially approved by the University of Adelaide for the award of the degree before it can be deposited

(b) the standard document format required is PDF

(c) the digital version must be a direct equivalent of the copy of the thesis approved by the University for the award of the degree

(d) the author retains copyright. However, it is advisable for the author to inform his/her supervisor(s) of his/her intention to deposit a copy of his/her thesis to the ADT program

(e) access to deposited theses may be restricted for a defined period if the thesis is embargoed under the provisions of The Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees.

Theses are accessible through the University of Adelaide Library's web pages, the Library's web catalogue, a national database of Australian theses and also through web search engines. Further information and deposit instructions are on the Library's web site at:

www.library.adelaide.edu.au/gen/theses/adt/

1.1 Thesis format

A Doctoral thesis may comprise a conventional written narrative presented as typescript, a portfolio of publications or creative or visual work/s. A Masters by Research thesis may comprise a conventional written narrative presented as typescript and where acceptable to the Faculty, a portfolio of publications.

(i) In the case of a thesis comprising a conventional written narrative presented as typescript, the thesis should incorporate in the following order

(a) a title page giving the title of the thesis in full, the name of the student, the name of the School/Discipline(s) of the University associated with the work and the date (month and year) when submitted for the degree. There is a limitation of 160 spaces and characters in the title of the thesis. You should ensure, therefore, that your thesis title does not exceed that limit

(b) a table of contents

(c) an abstract of the thesis in not more than three hundred and fifty words

(d) a signed statement to the effect that

- the thesis contains no material which has been accepted for the award of any other degree or diploma in any university and that, to the best of the student's knowledge and belief, the thesis contains no material previously published or written by another person, except where due reference is made in the text of the thesis *and*
- the author consents to the thesis being made available for photocopying and loan if accepted for the award of the degree.

This statement should be included on the same page as the statement regarding originality (see sample below). If the student has any objections to including such a statement, the student must apply to the Adelaide Graduate Centre, immediately, in writing, for a period of embargo to be placed on the student's thesis.

sample:

This work contains no material which has been accepted for the award of any other degree or diploma in any university or other tertiary institution and, to the best of my knowledge and belief, contains no material previously published or written by another person, except where due reference has been made in the text.

I give consent to this copy of my thesis, when deposited in the University Library, being available for loan and photocopying.

The statement must be signed by the student and dated.

(e) an acknowledgment of any help given or work carried out by any other person or organisation

(f) the main text

(g) appendices (if any)

(h) bibliography.

Additional pages or other material not suitable for binding should be placed last and treated as indicated in 4(d).

(ii) In the case of a thesis presented as published papers:

(a) the abstract should summarise the main findings presented in each paper and should indicate how the included works when considered together demonstrate a significant contribution to knowledge in the discipline.

(b) the introductory chapter should contain succinct statements describing the research problem investigated, overall objectives and specific aims of the study and an account of research progress linking the scientific papers. The account of research progress must link together the various papers submitted as part of the thesis providing continuity for the whole thesis so that the reader understands the logic behind the progression of the research program.

(c) the literature review will, of necessity, replicate literature cited in subsequent chapters but should contain a clear statement on the significance of the project aims, a critical review of relevant literature, identification of knowledge gaps and the relationship of the literature to the experimental program.

(d) where papers have multiple authorship, the PhD candidate must be the first or principal author and have written permission of the co-authors. Each jointly authored paper must begin with a clear statement on the contribution made by each author. The description must be sufficiently detailed to describe accurately the contribution of each author and signed by each author.

(e) the thesis must contain an overarching discussion of the main features of the thesis including, inter alia, the principal significance of the findings, problems encountered and future directions of the work. The discussion should not include a detailed reworking of the discussions from individual papers within the thesis.

(iii) in the case of a doctoral thesis submitted in the areas of artistic or visual practice:

presentation may be in one of two forms:

(a) by a theoretical thesis *or*

(b) by creative work(s) and exegesis. The creative or visual work shall be a substantial opus and the criteria for this work shall be determined by the Faculty. Such substantial works would include a book length work in its genre and musical compositions which require more than 75 minutes for performance.

The length and format of the exegesis shall be determined by the Faculty but normally should not exceed 50,000 words. It should contain a description of the form and presentation of the artistic practice which constitutes the remainder of the thesis and *inter alia*, an analytical commentary and consideration of the work in the broader framework of the discipline and/or repertory. It must demonstrate mastery of the conceptual and scholarly skills associated with doctoral candidature.

In the case of a written exegesis or thesis and visual works both presented in the format of a compact disk, the written exegesis or textual portion of the thesis shall also be presented in hard copy and must be presented in accordance with the guidelines laid down elsewhere in *Specifications for Thesis*.

2 Typing

A thesis should normally be produced on size A4 paper, in a clear and legible font (eg. Arial Narrow 12 or Times 12) using a Laser Writer, or some other printing device which gives a clear, legible result. It is strongly recommended that the top copy of the student's thesis be produced on archival (acid-free) paper to ensure its long-term preservation, with additional copies on bond, or similar high-quality paper. If work is being submitted which has been previously published, it may be presented in the form of copies of the original printed version. Other forms of presentation, such as computer output microform, may be acceptable if approved by the University Librarian (after discussion with the Supervisor(s)).

The submission of recorded music as part of a thesis should be discussed with the Performing Arts Librarian. (See also section on 'Copying' below.)

A thesis may be produced on both sides of the paper provided that all copies are made on paper of high opacity to prevent 'show- through'.

Margins

Margins for both text and figures should not be less than 35 mm on the inside edge and 15 mm on the other three sides to allow for binding and trimming. (See also 'Soft-binding of thesis for examination' under 4: Binding, below.)

Copying

(a) Additional copies of a thesis should be produced using a copying method which produces a good-quality copy. Copies (other than those produced with carbon paper at the time of typing the top copy) should

normally be on bond paper. Chemically coated paper is acceptable for the production of a thesis only if it is known to provide a high quality reproduction and proven long-term stability.

Audio and audio-visual tapes

(b) Additional copies of audio and audio-visual tapes should be produced using a copying method which creates a high quality audio and visual reproduction with proven longevity.

Archival (acid free) Copy

(c) The archival (acid-free) copy should be marked accordingly and will become the University's copy following the award of the degree. The Barr Smith Library may produce a copy on archival (acid-free) paper at the same cost as a plain paper copy.

3 Diagrams and figures

The following are general suggestions for normal practice, but they may be varied in special cases with the approval of the Librarian:

(a) diagrams and figures, etc, should be preferably drawn or photographed on size A4 paper and bound in the appropriate place in the text. If it is necessary to mount photographs the mounting should be on paper somewhat heavier than that of the other pages, and great care should be taken to avoid wrinkling the paper or distorting the shape of the volume.

(b) figures should either be inserted at an appropriate place in the text, or form a separate page. For normal orientation with the top of the figure upwards, the legend should be at the bottom of the figure. If it is necessary to rotate the figure, it should be placed on a separate page with the top of the figure on the left-hand side of the page and the legend on the right-hand side of the page. This applies regardless of whether the figure forms a left-hand or a right-hand page, but if the thesis is produced with the text only on right-hand pages, then figures should also appear only on right-hand pages. If there is insufficient space for the legend, it may be placed on the page facing the figure.

(c) tables should be inserted in the appropriate place in the text, except that lengthy or bulky tables should appear as an appendix.

(d) folded diagrams, maps, tables, etc, should read as right-hand pages when open. Supplementary material, such as folded maps and other large folded sheets and primary data on microfiche may be placed in a pocket inside the back cover of the bound thesis.

(e) musical notation and similar forms of written notation should be inserted in the appropriate place in the text, except that lengthy examples should appear as an appendix.

4 Binding

Soft-binding of thesis for examination

A higher degree student may opt to submit his/her thesis in soft bound form initially for examination purposes.

Students who wish to have their theses soft-bound should note that

- it is not possible to rebind a thesis that has been soft-covered using the currently available methods, such as Thermo-Bind or Wire- Spiral, without having first to trim the left hand margin by 10 to 15 mm. This means that the provision for the left hand margin of the thesis must be at least 45 mm. This may result in an increase in the number of pages of the thesis and the consequent increase in cost of production.
- most soft-binding processes will handle up to around 30 mm in thickness. Many theses are thicker than this and may have to be bound in more than one volume.

It is the student's responsibility to bear all costs incurred in the soft-binding of his/her thesis as well as in the subsequent hard-binding.

When the examination process (including the completion of any required amendments) is complete, it is an obligation of the student to submit the required three hard-bound copies of his/her thesis before a degree can be conferred.

Hard-binding

(a) The thesis must be sewn and bound with cloth on stiff covers. (A sprint-type or screw-type binder is unacceptable. Stapling and plastic or 'perfect' binding without sewing are also unacceptable.)

(b) During binding the edges should be trimmed.

(c) On the spine of the thesis should be given, in gold lettering of suitable size, normally reading from the top to the bottom, the title of the thesis, shortened if necessary, followed by the student's surname. Where the width of the spine allows, the lettering may be placed horizontally, with the title of the thesis near the top of the spine and student's surname near the middle.

(d) When published papers are submitted they should normally be bound near the back of the thesis as an appendix. In the case of published papers of unusual size it may be desirable to bind them in a separate volume. If they have been bound by a publisher it is desirable to keep them in a special case made and lettered to simulate a bound volume of a thesis.

(e) Supplementary material such as folding maps and other large folded sheets and primary data on microfiche may be placed in a pocket inside the back cover of the bound thesis.

(f) Supplementary material such as microfilm which cannot readily be kept in a pocket should be placed in a special case made and lettered to simulate a bound volume of the thesis.

(g) In view of problems of long term storage stability, presentation of material in a form other than printed copy or microform should not be contemplated without prior consultation with the University Librarian. When audio or audio-visual tapes are submitted they should normally be inserted into the back cover of the thesis. In some cases, it may be desirable to submit them in a separate volume made to simulate a bound volume of the thesis.

(h) A supplementary case or additional volume of a thesis should be distinguished by a volume number but should otherwise be uniform with the first part of the thesis in respect to colour, lettering and, as far as possible, size.

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Adelaide Graduate School of Business

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www.agbs.adelaide.edu.au

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Graduate Certificate in Management

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete a program of study comprising one (1) trimester of full-time study or two (2) trimesters of part-time study. Except with the permission of the Faculty, the requirements of the graduate certificate must be completed within 2 years.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Management shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the graduate certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the graduate certificate.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 points of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 points, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

MANAGEMT 7086 Fundamentals of Leadership	3
MANAGEMT 7100 Accounting for Managers	3
MANAGEMT 7104 Marketing Management	3

4.1.2 Elective courses

All candidates shall complete 1 elective course to the value of 3 units selected from the Master of Business Administration (Advanced) program as directed by the Executive Dean or nominee.

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial

amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma of Business Administration

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete a program of study comprising two (2) trimesters of full-time study or four (4) trimesters of part-time study. Except with the permission of the Faculty, the requirements of the graduate diploma must be completed within 3 years.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma of Business Administration shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the graduate diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the graduate diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma of Business Administration who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate in Management may be admitted to the latter award, as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Management and who subsequently satisfies the requirements for the Graduate Diploma of Business Administration must surrender the Graduate Certificate before being admitted to the Graduate Diploma

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

MANAGEMT 7073 Managerial Finance	3
MANAGEMT 7086 Fundamentals of Leadership	3
MANAGEMT 7087 Managing Contemporary Organisations	3

MANAGEMT 7100 Accounting for Managers	3
MANAGEMT 7103 Managerial Economics	3
MANAGEMT 7104 Marketing Management	3

4.1.2 Elective Courses

All candidates shall complete 2 elective courses to the value of 6 units selected from the Master of Business Administration program as directed by the Executive Dean or nominee.

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Business Administration

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three (3) trimesters of full-time study or six (6) trimesters of part-time study. Except with the permission of the Faculty, the requirements of the degree must be completed within 5 years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Business Administration shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 18 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Business Administration who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate in Management or Graduate Diploma of Business Administration may be admitted to one of those awards, as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Management or Graduate Diploma of Business Administration and who subsequently satisfies the requirements for the Master of Business Administration must surrender the Graduate Certificate or Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

MANAGEMT 7017 Economics for Management	3
MANAGEMT 7044 Strategic Management	3
MANAGEMT 7073 Managerial Finance	3
MANAGEMT 7079 E-Business - New Dimensions	3
MANAGEMT 7081 Global Business	3
MANAGEMT 7086 Fundamentals of Leadership	3
MANAGEMT 7087 Managing Contemporary Organisations	3
MANAGEMT 7100 Accounting for Managers	3
MANAGEMT 7104 Marketing Management	3

4.1.2 Elective Courses

All candidates shall complete 3 elective courses to the value of 9 units selected from the Master of Business Administration (Advanced) program.

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Business Administration (Advanced)

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising four (4) trimesters of full-time study or eight (8) trimesters of part-time study. Except with the permission of the Faculty, the requirements of the degree must be completed within 6 years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Business Administration (Advanced) shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 24 points of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Business Administration (Advanced) who does not complete the requirements for the degree but satisfies the requirements for the Graduate Certificate in Management, Graduate Diploma of Business Administration or Master of Business Administration may be admitted to one of those awards, as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Management, Graduate Diploma of Business Administration or Master of Business Administration and who subsequently satisfies the requirements for the Master of Business Administration (Advanced) must surrender the Graduate Certificate, Graduate Diploma or Masters before being admitted to the Masters (Advanced) degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 48 points, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

MANAGEMT 7017 Economics for Management	3
MANAGEMT 7044 Strategic Management	3
MANAGEMT 7073 Managerial Finance	3
MANAGEMT 7079 E-Business - New Dimensions	3
MANAGEMT 7081 Global Business	3
MANAGEMT 7086 Fundamentals of Leadership	3
MANAGEMT 7087 Managing Contemporary Organisations	3
MANAGEMT 7100 Accounting for Managers	3
MANAGEMT 7104 Marketing Management	3

4.1.2 Elective Courses

All candidates shall complete 7 elective courses to the value of 21 units selected from the list of approved electives.

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Business Administration (Infocomm Management)

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising four terms of full-time study or 8 terms of part-time study. Except with the permission of the Faculty, the requirements of the degree must be completed within 5 years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Business Administration (Infocomm Management) shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 18 points of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee of the Faculty concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1 Academic program

4.1.1 Core courses

All candidates shall complete the following core courses, totalling 30 units:

MANAGEMT 7089NA Economics for Infocomm Managers	3
MANAGEMT 7090NA Financing Infocomm Businesses	3
MANAGEMT 7091NA Infocomm Industry Policies	3
MANAGEMT 7092NA Managing Infocomm Firms	3
MANAGEMT 7093NA Global Business Marketing	3
MANAGEMT 7094NA Financial Control for Infocomm Managers	3
MANAGEMT 7095NA Leading Infocomm Firms	3
MANAGEMT 7096NA Infocomm Marketing Strategies	3
MANAGEMT 7097NA Strategic & Competitive Analysis	3
MANAGEMT 7098NA Strategic Decisions and Implementation	3

4.1.2 Elective courses

All candidates shall complete two (2) elective courses to the value of 6 points selected from the Master of Business Administration and/or Master of Business Administration (Advanced) programs.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Graduate Certificate in Architecture (Digital Media)

Note: Postgraduate tuition fees apply to the program

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or the equivalent of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Architecture (Digital Media) shall have qualified for the degree of Bachelor of Architecture of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 A candidate will not be granted status for any course which he or she has completed for another award.

2.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of School of Architecture, Landscape Architecture and Urban Design (or nominee) concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

A candidate for the Graduate Diploma in Architecture (Digital Media) who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the courses for the Graduate Certificate. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

ARCHDM 7004 Architectural Design with Digital Media A	6
ARCHDM 7006 Architectural Design with Digital Media B	6

4.2 No candidate may take more than one of the courses of the Graduate Certificate through distance learning.

4.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Design Studies
Graduate Certificate in Design Studies (Landscape)
Graduate Diploma in Design Studies
Graduate Diploma in Design Studies (Landscape)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of programs

1.1 Except with the permission of the School of Architecture, Landscape Architecture and Urban Design, the program for the Graduate Certificate in Design Studies or the Graduate Certificate in Design Studies (Landscape) shall be completed in not less than one semester and not more than one year of full-time study and in not less than one year and not more than two years of part-time study.

1.2 Except with the permission of the School of Architecture, Landscape Architecture and Urban Design, the program for the Graduate Diploma in Design Studies or the Graduate Diploma in Design Studies (Landscape) shall be completed in not less than two semesters and not more than three semesters of full-time study and in not less than one year and not more than two years of part-time study.

2 Admission

2.1 Applications for admission to the program shall be made through the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the program may not defer their studies to the following year.

An applicant for admission to the program of study for the Graduate Certificate in Design Studies or the Graduate Certificate in Design Studies (Landscape) must have obtained:

(a) the degree or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*

(b) a Bachelor or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Head of the School of Architecture, Landscape Architecture and Urban Design.

2.2 An applicant for admission to the program of study for the Graduate Diploma in Design Studies must have obtained:

(a) the Graduate Certificate in Design Studies of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*

(b) the degree or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*

(c) a Bachelor or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Head of the School of Architecture, Landscape Architecture and Urban Design.

2.3 An applicant for admission to the program of study for the Graduate Diploma in Design Studies (Landscape) must have obtained:

(a) the Graduate Certificate in Design Studies (Landscape) of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*

(b) the degree or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*

(c) a Bachelor or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Head of the School of Architecture, Landscape Architecture and Urban Design.

2.4 The Faculty may in special cases and subject to such conditions (if any) as the Head of the School of Architecture, Landscape Architecture and Urban Design may see fit to impose in each case, accept as a candidate for the Graduate Certificate in Design Studies or Graduate Certificate in Design Studies (Landscape), or Graduate

Diploma in Design Studies or Graduate Diploma in Design Studies (Landscape), an applicant who does not hold the qualifications specified in 2.1, 2.2 or 2.3 above but who has given evidence satisfactory to the Head of School of fitness to undertake work for the Graduate Certificate in Design Studies or Graduate Certificate in Design Studies (Landscape) or Graduate Diploma in Design Studies or Graduate Diploma in Design Studies (Landscape).

2.5 Status, exemption and credit transfer

2.5.1 A candidate who has passed postgraduate level courses in the School of Architecture, Landscape Architecture and Urban Design or in other faculties of the University or in other educational institutions may on written application to the School Executive Officer be granted such exemption from Academic Program Rule 5.1 as the Head of School may determine.

2.5.2 Candidates who have previously completed the requirements of the Graduate Certificate in Design Studies shall receive full status towards the Graduate Diploma in Design Studies for studies undertaken in the Graduate Certificate.

2.5.3 Candidates who have previously completed the requirements of the Graduate Certificate in Design Studies (Landscape) shall receive full status towards the Graduate Diploma in Design Studies (Landscape) for studies undertaken in the Graduate Certificate.

2.5.4 No candidate may be granted more than 12 units of status towards the Graduate Diploma in Design Studies or the Graduate Diploma in Design Studies (Landscape).

2.6 Articulation with other awards

2.6.1 A candidate who holds a Graduate Certificate in Design Studies of the University of Adelaide shall surrender it before being admitted to the Graduate Diploma in Design Studies.

2.6.2 A candidate who holds a Graduate Certificate in Design Studies (Landscape) of the University of Adelaide shall surrender it before being admitted to the Graduate Diploma in Design Studies (Landscape).

3 Assessment and examinations

3.1 There shall normally be four classifications of pass in the final assessment of any course for the Graduate Certificate and Graduate Diploma awards, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification is in two divisions a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that course or to other courses. Results in certain courses as specified in the Academic Program Rules will not be classified.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 In determining a candidate's final result in a course (or part of a course) the examiners may take into account oral, written, practical and examination work, provided that the candidate has been given adequate notice at the commencement of the teaching of the course of the way in which work will be taken into account and of its relative importance in the final result.

3.4 A candidate who fails a course or who obtains a lower division pass and who desires to take that course again shall, unless exempted wholly or partially therefrom by the Head of School, again complete the required work in that course to the satisfaction of the teaching staff concerned.

3.5 Review of academic progress

If in the opinion of the Faculty a candidate for the Graduate Certificate or Graduate Diploma is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Graduate Certificate or Graduate Diploma awards.

4 Qualification requirements

4.1 Academic program

4.1.1 To qualify for the Graduate Certificate in Design Studies a candidate shall pass a combination of the courses listed in Rule 4.1.3 to the value of at least 12 units.

4.1.2 To qualify for the Graduate Certificate in Design Studies (Landscape) a candidate shall pass a combination of the courses listed in Rule 4.1.4 to the value of at least 12 units.

4.1.3 To qualify for the Graduate Diploma in Design Studies a candidate shall pass the following courses to the value of at least 24 units:

DESST 6000 Special Topic (Design) IVA*	4
DESST 6002 Building Design Studio IV	4
DESST 6006 Special Topic (Design) IVB*	4
DESST 6009 Design and Environments IV	4
DESST 6013 Issues in Urban and Landscape Sustainability IV	4
DESST 6014 Design Communications IV	4
DESST 6015 Twentieth Century Architecture and Landscapes IV	4
DESST 6016 Technology in the Built Environment IV	4

4.1.4 To qualify for the Graduate Diploma in Design Studies (Landscape) a candidate shall pass the following courses to the value of at least 24 units:

DESST 6009 Design and Environments IV	4
DESST 6010 Special Topic (Landscape) IVB*	4
DESST 6011 Special Topic (Landscape) IVA*	4
DESST 6012 Landscape Design Studio IV	4
DESST 6013 Issues in Urban and Landscape Sustainability IV	4
DESST 6014 Design Communications IV	4
DESST 6015 Twentieth Century Architecture and Landscapes IV	4
DESST 6017 Natural Systems and Design IV	4

*Students should consult the Head of the School of Architecture, Landscape Architecture and Urban Design about availability of courses.

4.1.5 Course substitutions will normally be selected from a list available from the School Executive Officer; in unusual cases the Head of the School of Architecture, Landscape Architecture and Urban Design may approve different studies upon application by a candidate. In considering an application for a course substitution the Head of School shall have regard to the candidate's previous academic and practical experience.

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Design Studies (Digital Media)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

ß1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete 12 units of study in one semester of full-time study or the equivalent of part-time study.

2 Admission

2.1 Applications for admission shall be directly to the School of Architecture, Landscape Architecture and Urban Design. Successful applicants to the program may not defer their studies to the following year.

An applicant for admission to the program of study for the Graduate Certificate in Design Studies (Digital Media) shall have qualified for

(a) a degree of Bachelor of Landscape Architecture of the University or for a Bachelor degree of another institution accepted for the purpose by the University *or*

(b) a Bachelor degree of the University or another approved institution in one or more of the following areas: design studies, interior architecture or an allied built environment discipline.

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 A candidate will not be granted status for any course which he or she has completed for another award.

2.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of the School, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Design Studies (Digital Media) who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the courses for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

DESSTDM 7001 Design with Digital Media A	6
DESSTDM 7002 Design with Digital Media B	6

4.2 No candidate may take more than one of the courses of the Graduate Certificate through distance learning.

4.3 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Architecture (Digital Media)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete 24 units of study in one year of full-time study or the equivalent of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Architecture (Digital Media) shall have qualified for the degree of Bachelor of Architecture of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University; or hold or be eligible to hold the Graduate Certificate in Architecture (Digital Media) of the University

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be granted status for ARCHDM 7006 Architectural Design with Digital Media B

2.3.2 No candidate shall be granted status for courses with a total value of more than 6 units

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of School of Architecture, Landscape Architecture and Urban Design (or nominee) concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

A candidate who has been admitted to the Graduate Certificate in Architecture (Digital Media) and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the courses for the Graduate Diploma. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Head of School and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

ARCHDM 7003 Architectural Design with Digital Media C	12
ARCHDM 7004 Architectural Design with Digital Media A	6
ARCHDM 7006 Architectural Design with Digital Media B	6

4.2 A candidate may take only one of ARCHDM 7004 or ARCHDM 7006 through distance learning

4.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Design Studies (Digital Media)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete 24 units of study in one year of full-time study or the equivalent of part-time study.

2 Admission

2.1 Applications for admission shall be directly to the School of Architecture, Landscape Architecture and Urban Design. Successful applicants to the program may not defer their studies to the following year.

An applicant for admission to the program of study for the Graduate Diploma in Design Studies (Digital Media) shall have qualified for

(a) a degree of Bachelor of Landscape Architecture of the University or for a Bachelor degree of another institution accepted for the purpose by the University *or*

(b) a Bachelor degree of the University or another approved institution in one or more of the following areas: design studies, interior architecture or an allied built environment discipline *or*

(c) the Graduate Certificate in Design Studies (Digital Media).

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be granted status for DESSTDM 7002 Design with Digital Media B, except candidates who have qualified for the Graduate Certificate in Design Studies (Digital Media).

2.3.2 No candidate shall be granted status for courses with a total value of more than 6 units, except candidates who have qualified for the Graduate Certificate in Design Studies (Digital Media).

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of the School, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Graduate Certificate in Design Studies (Digital Media) and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the courses for the Graduate Diploma. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

DESSTDM 7001 Design with Digital Media A	6
DESSTDM 7002 Design with Digital Media B	6
DESSTDM 7003 Design with Digital Media C	12

4.2 A candidate may take only one of DESST 7001 Design with Digital Media A or DESST 7002 Design with Digital Media B through distance learning.

4.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Architecture (Coursework)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

1.1 The program of study for the degree shall extend over five semesters of full-time study or the equivalent. Students shall pass courses to the value of at least 60 units. The unit values of the courses are contained in Academic Program Rule 4.1.

2 Admission

2.1 Applications for admission shall be directly to the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the program may not defer their studies to the following year.

A candidate for admission to the program of study for the Master of Architecture (Coursework) must have obtained or completed the requirements for:

(a) the Honours degree of Bachelor of Design Studies of the University of Adelaide subject to successful completion of courses comprising the Architectural Studies major *or*

(b) the Honours degree of Bachelor of Architecture or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*

(c) the degree of Bachelor of Architecture of the University of Adelaide and at least two years' appropriate professional experience *or*

(d) the degree of Bachelor of Architecture (New) of the University of Adelaide with credit average result or better *or*

(e) a five year degree in Architecture or Landscape Architecture from another educational institution accepted by the University for the purpose and at least two years' appropriate professional experience *or*

(f) the Graduate Diploma in Design Studies of the University of Adelaide with credit average result or better, or an equivalent award from another educational institution accepted by the University for the purpose.

2.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 2.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 A candidate who has passed postgraduate level courses in the School of Architecture, Landscape Architecture and Urban Design or in other faculties/schools of the University or in other educational institutions, may on written application to the Head of School be granted such exemption from these Academic Program Rules as the School may determine.

2.3.2 No student may be granted more than 36 units of status towards the Master's degree. Status will not be granted for the course ARCH 7007A/B Architecture Masters Dissertation.

2.4 Articulation with other awards

2.4.1 Notwithstanding the above Rules a candidate who has been enrolled for the Master of Architecture (Coursework) and who has completed the work prescribed herein for the degree or Honours degree of Bachelor of Architecture of the University of Adelaide and who has not been awarded the Master's degree shall, on written application to the Head of the School of Architecture, Landscape Architecture and Urban Design, be awarded the appropriate degree of Bachelor of Architecture.

3 Assessment and examinations

3.1 There shall normally be four classifications of pass in the final assessment of any course for the Masters (Coursework) degree, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification be in two divisions a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that course or to other courses. Results in certain courses as specified in the relevant Academic Program Rules will not be classified.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 In determining a candidate's final result in a course (or part of a course) the examiners may take into account oral, written, practical and examination work, provided that the candidate has been given adequate notice at the commencement of the teaching of the course of the way in which work will be taken into account and of its relative importance in the final result.

3.4 A candidate who fails a course or who obtains a lower division pass and who desires to take that course again shall, unless exempted wholly or partially therefrom by the Head of the School of Architecture, Landscape Architecture and Urban Design, again complete the required work in that course to the satisfaction of the teaching staff concerned.

3.5 The Head of School shall appoint at least two examiners of the Dissertation, at least one of whom shall be external to the School of Architecture, Landscape Architecture and Urban Design.

3.6 Review of academic progress

If in the opinion of the Faculty a candidate for the Master of Architecture (Coursework) is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Masters degrees.

4 Qualification requirements

4.1 Academic program

To qualify for the degree of Master of Architecture (Coursework) a candidate shall pass the following courses to the value of at least 60 units:

ARCH 7006A/B Architecture Masters Project	12
ARCH 7007A/B Architecture Masters Dissertation	12
ARCH 7009 Architecture Studio IA	6
ARCH 7010 Architecture Studio IB	6
ARCH 7011 Architecture Studio IC	6
ARCH 7012 Architecture Studio ID	6
ARCH 7013 Architecture Studio II	8
ARCH 7014 Architecture Practice II	4

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

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Master of Architecture (Digital Media)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Master's degree, a candidate shall satisfactorily complete three semesters of full-time study or the equivalent of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Master of Architecture (Digital Media) shall have qualified for the degree of Bachelor of Architecture of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University; or hold or be eligible to hold the Graduate Diploma in Architecture (Digital Media) of the University.

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be granted status for ARCHDM 7006 Architectural Design with Digital Media B, except candidates who have qualified for the Graduate Diploma in Architecture (Digital Media).

2.3.2 No candidate shall be granted status for courses with a total value of more than 6 units, except candidates who have qualified for the Graduate Diploma in Architecture (Digital Media).

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of the School, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Graduate Diploma in Architecture (Digital Media) and who has been granted status toward the Master's degree for courses presented for the Graduate Diploma must surrender the Graduate Diploma before being admitted to the Master's degree.

2.4.2 A candidate for the Master of Architecture (Digital Media) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements for the Master's degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the courses for the Master's degree. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

ARCHDM 7001 Architectural Design with Digital Media Masters Project	12
ARCHDM 7003 Architectural Design with Digital Media C	12
ARCHDM 7004 Architectural Design with Digital Media A	6
ARCHDM 7006 Architectural Design with Digital Media B	6

4.2 A candidate may take only one of ARCHDM 7004 Architectural Design with Digital Media A or ARCHDM 7006 Architectural Design with Digital Media B through distance learning.

4.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Design Studies (Digital Media)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Master's degree, a candidate shall satisfactorily complete three semesters of full-time study or the equivalent of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Master of Design Studies (Digital Media) shall have qualified for:

(a) a degree of Bachelor of Landscape Architecture of the University or a Bachelor degree of another institution accepted for the purpose by the University *or*

(b) a Bachelor degree of the University or another approved institution in one or more of the following areas: design studies, interior architecture or an allied built environment discipline, and have at least one year's appropriate professional experience *or*

(c) the Graduate Diploma in Design Studies (Digital Media).

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be granted status for DESSTDM 7002 Design with Digital Media B, except candidates who have qualified for the Graduate Diploma in Design Studies (Digital Media).

2.3.2 No candidate shall be granted status for courses with a total value of more than 6 units, except candidates who have qualified for the Graduate Diploma in Design Studies (Digital Media).

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of the School, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Graduate Diploma in Design Studies (Digital Media) and who has been granted status toward the Master's degree for courses presented for the Graduate Diploma must surrender the Graduate Diploma before being admitted to the Master's degree.

2.4.2 A candidate for the Master of Design Studies (Digital Media) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements for the Master's degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the courses for the Master's degree. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

DESSTDM 7001 Design with Digital Media A	6
DESSTDM 7002 Design with Digital Media B	6
DESSTDM 7003 Design with Digital Media C	12
DESSTDM 7004 Design with Digital Media Masters Project	12

4.2 A candidate may take only one of DESSTDM 7001 Design with Digital Media A or DESSTDM 7002 Design with Digital Media B through distance learning.

4.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Landscape Architecture

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

1.1 The program of study for the degree shall extend over five semesters of full-time study or the equivalent. Students shall pass courses to the value of at least 60 units. The unit values of the courses are contained in Academic Program Rule 4.1.

2 Admission

2.1 Applications for admission shall be directly to the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the program may not defer their studies to the following year.

A candidate for admission to the program of study for the Master of Landscape Architecture must have obtained or completed the requirements for:

(a) the Honours degree of Bachelor of Design Studies of the University of Adelaide subject to successful completion of courses comprising the Landscape Studies major *or*

(b) the Honours degree of Bachelor of Architecture or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*

(c) the degree of Bachelor of Architecture of the University of Adelaide and at least two years' appropriate professional experience *or*

(d) the degree of Bachelor of Landscape Architecture of the University of Adelaide with credit average result or better *or*

(e) a five year degree in Architecture or Landscape Architecture from another educational institution accepted by the University for the purpose *or*

(f) the Graduate Diploma in Design Studies (Landscape) of the University of Adelaide with credit average result or better, or an equivalent award from another educational institution accepted by the University for the purpose.

2.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 2.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 A candidate who has passed postgraduate level courses in the School of Architecture, Landscape Architecture and Urban Design or in other faculties/schools of the University or in other educational institutions, may on written application to the Head of School be granted such exemption from these Academic Program Rules as the School may determine.

2.3.2 No student may be granted more than 36 units of status towards the Master's degree. Status will not be granted for the course LARCH 7005A/B Landscape Architecture Masters Dissertation.

2.4 Articulation with other awards

Notwithstanding the above Rules a candidate who has been enrolled for the Master's degree of Landscape Architecture and who has completed the work prescribed herein for the degree or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide and who has not been awarded the Master's degree shall, on written application to the Head of School of Architecture, Landscape Architecture and Urban Design, be awarded the appropriate degree of Bachelor of Landscape Architecture.

3 Assessment and examinations

3.1 There shall normally be four classifications of pass in the final assessment of any course for the Masters degree, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification be in two divisions a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that course or to other courses. Results in certain courses as specified in the relevant Academic Program Rules will not be classified.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 In determining a candidate's final result in a course (or part of a course) the examiners may take into account oral, written, practical and examination work, provided that the candidate has been given adequate notice at the commencement of the teaching of the course of the way in which work will be taken into account and of its relative importance in the final result.

3.4 A candidate who fails a course or who obtains a lower division pass and who desires to take that course again shall, unless exempted wholly or partially therefrom by the Head of the School of Architecture, Landscape Architecture and Urban Design complete again the required work in that course to the satisfaction of the teaching staff concerned.

3.5 The Head of School shall appoint at least two examiners of the Dissertation, at least one of whom shall be external to the School of Architecture, Landscape Architecture and Urban Design.

3.6 Review of academic progress

If in the opinion of the Faculty a candidate for the Master of Landscape Architecture is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Masters degrees.

4 Qualification requirements

4.1 Academic program

To qualify for the degree of Master of Landscape Architecture a candidate shall pass the following courses to the value of at least 60 units:

LARCH 7004A/B Landscape Architecture Masters Project	12
LARCH 7005A/B Landscape Architecture Masters Dissertation	12
LARCH 7009 Landscape Architecture Studio IA	6
LARCH 7010 Landscape Architecture Studio IB	6
LARCH 7011 Landscape Architecture Studio IC	6
LARCH 7012 Landscape Architecture Studio ID	6
LARCH 7013 Landscape Architecture Studio II	6
LARCH 7014 Landscape Architecture Practice II	4
LARCH 7015 Landscape Architecture Seminar II	2

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Architecture
Master of Building Science
Master of Landscape Architecture

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 Master of Architecture

The Board of Research Education and Development may accept as a candidate for the degree of Master of Architecture any person who:

(a) has qualified for the Honours degree of Bachelor of Architecture of the University of Adelaide *or*

(b) has obtained in another university or tertiary institution qualifications which are deemed at least equivalent to those of the Honours degree of Bachelor of Architecture *or*

(c) has qualified for a degree, whose academic qualifications are accepted by the Board as sufficient.

2.2 Master of Building Science

The Board of Research Education and Development may accept as a candidate for the degree of Master of Building Science any person who:

(a) has qualified for the Honours degree of Bachelor of Architectural Studies or the Honours degree of Bachelor of Architecture of the University of Adelaide

or

(b) has obtained in another university or tertiary institution qualifications which are deemed at least equivalent to those of the Honours degree of Bachelor of Architectural Studies *or*

(c) has qualified for a degree, whose academic qualifications are accepted by the Board as sufficient.

2.3 Master of Landscape Architecture by Research

The Board of Research Education and Development may accept as a candidate for the degree of Master of Landscape Architecture by Research any person who:

(a) has qualified for the Honours degree of Bachelor of Landscape Architecture of the University of Adelaide

or

(b) has obtained in another university or tertiary institution qualifications which are deemed at least equivalent to those of the Honours degree of Bachelor of Landscape Architecture *or*

(c) has qualified for a degree, whose academic qualifications are accepted by the Faculty as sufficient.

School of Commerce

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www.commerce.adelaide.edu.au

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- Master of Applied Finance
- Master of Commerce
- Master of Commerce (Coursework)

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Master of Applied Finance

This program is taught only in Singapore

Academic Program Rules

1 Duration of program

To quality for the degree, a candidate shall satisfactorily complete a program of study equivalent to one and a half (1.5) years of full-time study. Except with the permission of the Faculty, the requirements of the degree must be completed within 5 years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Applied Finance shall have qualified for a four (4) year undergraduate program in an institution accepted by the Faculty as appropriate OR have qualified for a three (3) year program and have relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree. This may include acceptance of professional qualifications where they are of high quality and provide an appropriate background to undertake a past graduate qualification in finance.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 18 points of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not reenrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 points, as follows:

4.1.1 Core Courses

All candidates shall complete the following core courses:

COMMERCE 7002NA Accounting Information for Financial Decision Makers	3
COMMERCE 7003NA Financial Quantitative Procedures	3
COMMERCE 7005NA Principles of Finance	3
COMMERCE 7006NA Equity	4
COMMERCE 7007NA Fixed Income Securities	4
COMMERCE 7008NA Futures, Options and Swaps	4
COMMERCE 7009NA Corporate Finance Theory	4
COMMERCE 7010NA Portfolio Management	4
ECON 7200NA Economic Principles (M)	3

4.1.2 Elective Courses

All candidates shall complete one elective to the value of 4 points selected from the list of approved electives:

COMMERCE 7011NA Financial Modelling *

COMMERCE 7012NA Treasury Management

COMMERCE 7013NA Financial Statement Analysis

COMMERCE 7014NA Personal Financial Planning

CORPFIN 7043 Principles of Financial Modelling (M)

* not offered in 2005

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Commerce

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 The Board of Research Education and Development may accept as a candidate for the degree of Master of Commerce any person who:

(a) has qualified for the degree of Bachelor of Commerce with First or Second-Class Honours at the University of Adelaide *or*

(b) has qualified for another Honours degree which the Board regards as being equivalent to a First or Second-Class Honours degree in Commerce of the University of Adelaide.

3 Enrolment

In addition to Rules 6.1 - 6.4 of the General Program Rules, postgraduate students of the School of Commerce are normally expected to attend the majority of research seminars arranged by the School in each year of their candidature. For full-time students, attendance at a minimum of 50 per cent of seminars is expected. For part-time students, a minimum of 30 percent is expected.

Master of Commerce (Coursework)
Master of Commerce (Accounting)
Master of Commerce (Applied Finance)
Master of Commerce (Marketing)

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or equivalent part-time. The maximum time permitted for completion of the program is six years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Commerce, Master of Commerce (Accounting), Master of Commerce (Applied Finance) or Master of Commerce (Marketing) shall have qualified for a degree of the University of Adelaide, or a degree of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 On satisfying the admission requirements for entry to the Master of Commerce, students will enrol in a program of study to allow them to qualify for one of the following degrees:

Master of Commerce

Master of Commerce (Accounting)

Master of Commerce (Applied Finance)

Master of Commerce (Marketing).

2.4 Status, exemption and credit transfer

2.4.1 No candidate shall be granted status for courses with a total value of more than 12 units on account of courses

presented for any other award except with permission of the Dean of the School of Commerce.

2.4.2 Exemptions will be granted for up to 12 units of courses where, in the opinion of the Head of School of Commerce, the candidate has already presented a course/s for another award that contain(s) substantially the same material as any of the courses in the program. All exemptions granted must be replaced by courses chosen by the candidate from other parts of the program.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of School of Commerce or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3.4 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Master of Commerce

To qualify for the degree of Master of Commerce, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

(a) 12 units selected from the designated Foundation courses which must include:

Quantitative Methods (M)

Accounting and Decision Making (M),

Economic Principles (M)

and either

Principles of Finance (for the Accounting or Applied Finance pathways)

or

Marketing Principles (M) (for the Marketing pathway)

(b) 12 units selected from one of the designated disciplinary streams of elective courses from 4.5 below.

4.2 Master of Commerce (Accounting)

4.2.1 To qualify for the degree of Master of Commerce (Accounting), a candidate must satisfy all conditions in 4.1 above.

4.2.2 In addition, the courses presented must include

ACCTING 7008 Financial Accounting Issues (M)

ACCTING 7009 Auditing and Assurance Services (M)*

ACCTING 7010 Corporate Accounting (M)

ACCTING 7012 Commercial Law and Accounting Regulation (M)

ACCTING 7014 Management Accounting (M)

COMMLAW 7011 Corporate Law (M)

COMMLAW 7013 Income Taxation (M)*

1 elective to be drawn from 4.5 below

Note: Students undertaking the advanced pathway, must present at least 5 Accounting courses which have been drawn from the 'advanced specialization level'.

* All seven courses above must be presented for eligibility to the CA Program, but the two starred courses are not required for eligibility for the CPA Program and can be replaced with electives, of which at least one must be from the list of Accounting courses in 4.5.2 below or, such courses as approved by the Head of School of Commerce.

4.3 Master of Commerce (Applied Finance)

4.3.1 To qualify for the degree of Master of Commerce (Applied Finance), a candidate must satisfy all conditions in 4.1 above.

4.3.2 In addition, the courses presented must include:

CORPFIN 7020 Options, Futures and Risk Management (M)

CORPFIN 7019 Portfolio Theory and Management (M)

CORPFIN 7039 Equity Valuation and Analysis (M)

CORPFIN 7040 Fixed Income Securities (M)

and

4 electives of which 2 must be drawn from the list of Applied Finance courses listed under 4.5.2

or

such courses as approved by the Head of School of Commerce.

Note: Students undertaking the advanced pathway, must present at least 5 Applied Finance courses which have been drawn from the 'advanced specialization level'.

4.4 Master of Commerce (Marketing)

4.4.1 To qualify for the degree of Master of Commerce (Marketing), a candidate must satisfy all conditions in 4.1 above.

4.4.2 In addition, the courses presented must include:

MARKETNG 7023 Consumer Behaviour (M)

MARKETNG 7024 International Marketing (M)

MARKETNG 7025 Marketing Communications (M)

MARKETNG 7026 Market Research and Planning (M)

MARKETNG 7030 Marketing Ethics (M)

MARKETNG 7032 Strategic Marketing (M)*

and

2 electives to be drawn from 4.5 below or, such courses as approved by the Head of School of Commerce.

Note: Students undertaking the advanced pathway, must present at least 5 Marketing courses which have been drawn from the 'advanced specialisation level'

* MARKETNG 7032 Strategic Marketing (M)* is a capstone course for the M Com (Marketing) pathway, and as such must be taken in the final semester of study.

4.5 Academic program

4.5.1 Foundation Courses

ACCTING 7000 Accounting and Decision Making (M)	3
COMMERCE 7005 Principles of Finance	3
COMMERCE 7033 Quantitative Methods (M)	3
ECON 7200 Economic Principles (M)	3
MARKETNG 7005 Marketing Principles (M)	3

4.5.2 Specialisation Level and Advanced Specialisation Level courses

Accounting

Specialisation Level

ACCTING 7008 Financial Accounting Issues (M)	3
ACCTING 7009 Auditing and Assurance Services (M)	3
ACCTING 7010 Corporate Accounting (M)	3
ACCTING 7012 Commercial Law and Accounting Regulation (M)	3
ACCTING 7014 Management Accounting (M)	3
COMMLAW 7011 Corporate Law (M)	3
COMMLAW 7013 Income Taxation (M)	3

Advanced Specialisation Level

ACCTING 7015 Advanced Financial Reporting (M)	3
ACCTING 7017 Financial Statement Analysis (M)	3
ACCTING 7018 Public Sector and Not-For-Profit Accountability (M)	3
COMMERCE 7036 Knowledge Management and Measurement (M)	3
COMMLAW 7016 Business Taxation and GST (M)	3
CORPFIN 7044 Financial Planning (M)	3

Applied Finance

Specialisation Level

CORPFIN 7019 Portfolio Theory and Management (M)	3
CORPFIN 7020 Options, Futures and Risk Management (M)	3
CORPFIN 7021 Corporate Investment and Strategy (M)	3
CORPFIN 7022 Corporate Finance Theory (M)	3
ECON 7114 Money, Banking and Financial Markets IIID	3

Advanced Specialisation Level

ACCTING 7017 Financial Statement Analysis (M)	3
CORPFIN 7039 Equity Valuation and Analysis (M)	3
CORPFIN 7040 Fixed Income Securities (M)	3
CORPFIN 7042 Treasury and Financial Risk Management (M)	3
CORPFIN 7044 Financial Planning (M)	3
ECON 7044 International Finance IIID	3

Marketing

Specialisation Level

MARKETNG 7023 Consumer Behaviour (M)	3
MARKETNG 7024 International Marketing (M)	3
MARKETNG 7025 Marketing Communications (M)	3
MARKETNG 7026 Marketing Research and Planning (M)	3

Advanced Specialisation Level

MARKETNG 7027 Brand Management (M)	3
MARKETNG 7028 E-Marketing (M)	3
MARKETNG 7029 International Market Entry Strategies (M)	3
MARKETNG 7030 Marketing Ethics (M)	3
MARKETNG 7031 Relationship Marketing (M)	3
MARKETNG 7032 Strategic Marketing (M)	3

4.5.3 Electives

BUSINESS 7000 Social Challenges to Global Business	3
COMMERCE 7034 Project Management (M)	3
COMMERCE 7035 Contemporary Issues in Commerce (M)	3
COMMERCE 7037 Research Methodology in Commerce (M)	3
ECOMMRCE 7004 Internet Commerce (M)	3

Any other Specialisation Level or Advanced Specialisation level course approved by the Head of the School of Commerce.

Any other course from a postgraduate or honours program in the Faculty of Professions approved by the Head of the School of Commerce or nominee.

Note: MBA electives will only be open to students meeting the 2-year professional experience criterion.

4.6 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Dental School

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www.dentistry.adelaide.edu.au

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Please refer to the Adelaide Graduate Centre for Academic Program Rules 3

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- Graduate Certificate in Dentistry
- Graduate Diploma in Clinical Dentistry
- Graduate Diploma in Forensic Odontology
- Master of Science in Dentistry
- Doctor of Clinical Dentistry
- Doctor of Dental Science

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre and the Principal of the School of Dental Therapy may approve minor changes to any previously approved syllabus.

Graduate Certificate in Dentistry

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete Graduate Certificate in Dentistry courses to an aggregate of 12 units.

2 Duration of program

2.1 To qualify for the Graduate Certificate a candidate shall:

(a) complete satisfactorily an approved program of study extending over a period of not more than three years as a part-time candidate *and*

(b) pass such written, oral, clinical and practical examinations as may be required by the Dental School.

2.2 The programme of study, examination and such other work as may be required and the period of study for each candidate shall be specified by the Dean and approved by the Dental School.

2.3 Unless the Dental School, on the advice of the Dean, approves an extension of time in a particular case, the work for the Graduate Certificate shall be completed within the period of study approved for the particular candidate under Academic Program Rule 2.1.

3 Admission

3.1 The Dental School may accept as a candidate for the Graduate Certificate any person who:

(a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery

(b) has qualified in another university for a degree or degrees in the field of dentistry which the Dental School regards as equivalent for the purpose to the qualification specified in Academic Academic Program Rule 3.1(a) hereof

(c) Subject to the approval of the Dean, the Dental School may accept as a candidate an applicant who does not satisfy the requirements of Academic Program Rule 3.1 (b) above but who has given evidence satisfactory to the Dental School of fitness to undertake advanced work in dentistry.

3.2 Articulation with other awards

Students who complete the Graduate Certificate are eligible to apply for entry to the Graduate Diploma in Clinical Dentistry program and if successful on gaining entry, are eligible to apply for status for studies they have undertaken in the Graduate Certificate.

A candidate who has been admitted to the Graduate Certificate in Dentistry and who subsequently satisfies the requirements for the Graduate Diploma In Clinical Dentistry must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3.3 Prescribed communicable infections policy

The University promotes a pro-active public health approach to prescribed communicable infections (PCI) such as HIV/AIDS, Hepatitis B and Hepatitis C, and seeks to minimise the impact of these infections on students' academic progress. It offers understanding and practical support to students with such infections, and aims to provide a work and study environment free from discrimination, challenging views that result in discriminatory attitudes toward people with PCIs.

The University also has a legal and ethical obligation to take all reasonable measures to prevent the transmission of prescribed communicable infections among students, staff members and visitors, and recognises that some students with such infections will not be permitted to complete the Bachelor of Medicine, Bachelor of Surgery, the Bachelor of Dental Surgery or other clinical programs offered by the Faculty of Health Sciences.

All prospective medical and dental school students are strongly advised to consult the University's *Students With Prescribed Communicable Infections Policy* - available through the University's website at www.adelaide.edu.au/student/current/policies.html - which makes reference to the relevant legislation, elaborates on the reasons for the adoption of this policy, and outlines procedures for implementing the policy.

4 Assessment and examinations

4.1 A candidate shall not be eligible to present for examination unless the required program of study has been completed to the satisfaction of the Dean.

4.2 The Dental School shall appoint examiners for written, oral, clinical and other assessments.

4.3 There shall be one grading classification in any course for the Graduate Certificate: Non Graded Pass.

4.4 Review of academic progress

A candidate's progress may be reviewed at any time by the Dean. If, in the opinion of the Dental School a candidate is not making satisfactory progress the Dental School may, with the consent of Council, terminate the candidature.

5 Qualification requirements

5.1 Academic Program

All students shall satisfactorily complete the compulsory course

DENT 6001HO Contemporary Dental Practice *	6

Students shall complete elective courses to the value of six units taken from the following (subject to availability):

DENT 6021HO Adhesive Dentistry C	2
DENT 6022HO Advanced Restorative Dentistry C	2
DENT 6023HO Endodontics C	2
DENT 6024HO High Caries Risk C	2
DENT 6025HO Implantology C	2
DENT 6026HO Orofacial Pain C	2
DENT 6027HO Oral Pathology C	2
DENT 6028HO Dento-Alveolar Surgery C	2
DENT 6029HO Orthodontics C	2
DENT 6030HO Periodontics C	2
DENT 6031HO Removable Prosthodontics (full) C	2
DENT 6032HO Removable Prosthodontics (partial) C	2
DENT 6033HO Special Needs Dentistry C	2
DENT 6034HO Dental Wear C	2
DENT 6036HO Aesthetic Dentistry C	2
DENT 6037HO Paroramic Radiography C	2
DENT 6038HO Extra-Oral Radiography C	2
DENT 6039HO Dental Trauma C	2
DENT 6040HO Dental Laboratory Technology C	2
DENT 6061HO Maxillo-Facial Prosthetics	2
DENT 6063HO Pain Management C	2
DENT 6064HO Oral Medicine C	2
DENT 6065 Paedodontics C	2

Other courses as they become available

* available in external mode only

5.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Clinical Dentistry

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

1.1 A candidate who complies with the foregoing conditions and satisfies the examiners and the Dental School shall be awarded the Graduate Diploma of Clinical Dentistry.

1.2 No candidate will be permitted to count for the Graduate Diploma in Clinical Dentistry any course that in the opinion of the Dental School contains substantially the same material as any course which he or she presented already for another qualification, other than the Graduate Certificate in Dentistry and then only upon its surrender.

2 Duration of program

2.1 To qualify for the Graduate Diploma, a candidate shall:

(a) complete satisfactorily an approved program of study extending over at least one year as a full-time student, or with approval of Dental School, over a period of not more than three years as a part-time candidate *and*

(b) pass such written, oral, clinical and practical examinations, and submit such reports as may be required by the Dental School.

2.2 The program of study, examination, reports and such other work as may be required and the period of study for each candidate shall be specified by the Dean and approved by the Dental School.

2.3 Unless the Dental School, on the advice of the Dean, approve an extension of time in a particular case, the work for the Graduate Diploma shall be completed within the period of study approved for the particular candidate under Academic Program Rule 2.1.

3 Admission

3.1 An applicant for admission to the program of study for the Graduate Diploma shall have qualified for the degree of Bachelor of Dental Surgery, or Bachelor of Oral Health or Diploma of Dental Hygiene in the University of Adelaide, or hold qualifications in a field of dentistry from another institution accepted for the purpose by the University.

3.2 Subject to the approval of the Dean, the Dental School may accept as a candidate an applicant who does not satisfy the requirements of Academic Program Rule 3.1 above but who have given evidence satisfactory to the Dental School of fitness to undertake advanced work in dentistry.

3.3 Prescribed communicable infections policy

The University promotes a pro-active public health approach to prescribed communicable infections (PCI) such as HIV/AIDS, Hepatitis B and Hepatitis C, and seeks to minimise the impact of these infections on students' academic progress. It offers understanding and practical support to students with such infections, and aims to provide a work and study environment free from discrimination, challenging views that result in discriminatory attitudes toward people with PCIs.

The University also has a legal and ethical obligation to take all reasonable measures to prevent the transmission of prescribed communicable infections among students, staff members and visitors, and recognises that some students with such infections will not be permitted to complete the Bachelor of Medicine, Bachelor of Surgery, the Bachelor of Dental Surgery or other clinical programs offered by the Faculty of Health Sciences.

All prospective medical and dental school students are strongly advised to consult the University's *Students With Prescribed Communicable Infections Policy* - available through the University's website at www.adelaide.edu.au/student/current/policies.html - which makes reference to the relevant legislation, elaborates on the reasons for the adoption of this policy, and outlines procedures for implementing the policy.

4 Assessment and examinations

4.1 There shall be four classifications of pass in the courses for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

4.2 A candidate shall not be eligible to present for examination unless the required program of study has been completed to the satisfaction of the Dean.

4.3 The Dental School shall appoint examiners for written, oral, clinical and other assessments.

4.4 Review of academic progress

A candidate's progress may be reviewed at any time by the Dean. If, in the opinion of the Dental School a candidate is not making satisfactory progress the Dental School may, with the consent of Council, terminate the candidature.

5 Qualification requirements

5.1 Academic Program

The program of study shall be as follows:

DENT 6003HO Basic and Applied Dental Sciences	2
DENT 6004HO Research Methods and Ethics	2
DENT 6058HO Advanced Dental Selective	3
DENT 6059HO Advanced Dental Studies	3
DENT 6067HO Dental Selective	3
DENT 6068HO Dental Studies	3
DENT 6069HO Clinical Studies	4
DENT 6070HO Advanced Clinical Studies	4

5.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Forensic Odontology

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

1.1 For each candidate, the Dental School shall appoint a supervisor or supervisors for guidance.

1.2 A candidate for the diploma shall regularly attend lectures and tutorials, do such written, clinical and other practical work, and pass such examinations, as may be required by the Dean of the Dental School.

1.3 Students shall at all times be under the direction and supervision of a member of the teaching staff, duly appointed by the Director of the Forensic Odontology Unit, and shall carry out such work as shall be allocated.

2 Duration of program

To qualify for the Diploma a candidate shall satisfactorily complete a program of full-time study extending over one year, or of part-time study extending over at least two years. Except with special permission of the Dental School, the program for the Graduate Diploma shall be completed in not more than three years.

3 Admission

3.1 An applicant for admission to the program of study for the Graduate Diploma shall have qualified for the degree of Bachelor of Dental Surgery in the University of Adelaide, or hold qualifications in Dentistry from another institution accepted for the purpose by the University.

3.2 Subject to the approval of the Council, the Dental School may accept as a candidate an applicant who does not satisfy the requirements of Academic Program Rule 3.1 above but who have given evidence satisfactory to the Dental School of fitness to undertake advanced work in dentistry.

3.3 Prescribed communicable infections policy

The University promotes a pro-active public health approach to prescribed communicable infections (PCI) such as HIV/AIDS, Hepatitis B and Hepatitis C, and seeks to minimise the impact of these infections on students' academic progress. It offers understanding and practical support to students with such infections, and aims to provide a work and study environment free from discrimination, challenging views that result in discriminatory attitudes toward people with PCIs.

The University also has a legal and ethical obligation to take all reasonable measures to prevent the transmission of prescribed communicable infections among students, staff members and visitors, and recognises that some students with such infections will not be permitted to complete the Bachelor of Medicine, Bachelor of Surgery, the Bachelor of Dental Surgery or other clinical programs offered by the Faculty of Health Sciences.

All prospective medical and dental school students are strongly advised to consult the University's *Students With Prescribed Communicable Infections Policy* - available through the University's website at www.adelaide.edu.au/student/current/policies.html - which makes reference to the relevant legislation, elaborates on the reasons for the adoption of this policy, and outlines procedures for implementing the policy.

4 Assessment and examinations

4.1 The Dental School may appoint a Board of Examiners to carry out or supervise the examination of candidates for the Graduate Diploma in accordance with the schedules and syllabuses.

4.2 A candidate shall not be eligible to attend for examination unless the prescribed program of study has been completed to the satisfaction of the Dean of the Dental School.

4.3 Review of academic progress

If in the opinion of the Dental School a candidate is not making satisfactory progress, the Dental School may, with the consent of Council, terminate the candidature.

5 Qualification requirements

5.1 To qualify for the diploma a candidate shall pass the following courses

DENT 6003HO Basic and Applied Dental Sciences

DENT 6004HO Research Methods and Ethics

DENT 6006HO Anatomy and Forensic Anthropology

DENT 6008AHO/BHO Casework in Forensic Odontology

DENT 6010AHO/BHO Oral and Forensic Pathology

DENT 6012AHO/BHO Principles and Methods of Forensic Odontology

5.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Science in Dentistry

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 The Board of Research Education and Development may accept as a candidate for the degree any person who:

(a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery and for the Honours Degree of Bachelor of Science in Dentistry with First or Second Class Honours

(b) has qualified for a degree in Dentistry and whose qualifications are regarded by the Board as equivalent to those specified in 2.1(a) *or*

(c) has qualified for a degree or degrees other than in Dentistry which the Board regards as equivalent to the qualifications specified in 2.1(a).

2.2 In addition to Rules 5.1-5.4 of the General Academic Program Rules and Rule 1 above, it is a condition of enrolment and continuing enrolment in all undergraduate programs and all clinical postgraduate programs in the Dental School, that students abide by the following policy:

2.3 Prescribed communicable infections policy

The University promotes a pro-active public health approach to prescribed communicable infections (PCI) such as HIV/AIDS, Hepatitis B and Hepatitis C, and seeks to minimise the impact of these infections on students' academic progress. It offers understanding and practical support to students with such infections, and aims to provide a work and study environment free from discrimination, challenging views that result in discriminatory attitudes toward people with PCIs.

The University also has a legal and ethical obligation to take all reasonable measures to prevent the transmission of prescribed communicable infections among students, staff members and visitors, and recognises that some students with such infections will not be permitted to complete the Bachelor of Medicine, Bachelor of Surgery, the Bachelor of Dental Surgery or other clinical programs offered by the Faculty of Health Sciences.

All prospective medical and dental school students are strongly advised to consult the University's *Students With Prescribed Communicable Infections Policy* - available through the University's website at www.adelaide.edu.au/student/current/policies.html - which makes reference to the relevant legislation, elaborates on the reasons for the adoption of this policy, and outlines procedures for implementing the policy.

Doctor of Clinical Dentistry

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

1.1 Except in circumstances approved by the Board of Research Education and Development, the work for the degree shall be completed and the research thesis or related works submitted:

(a) in the case of a full time candidate, not less that three years and not more than four years from the date of commencement of candidature, except where status has been granted

(b) in the case of a part time candidate, not less that four years and not more than six years from the date of commencement of candidature, except where status has been granted.

2 Admission

2.1 The Board of Research Education and Development may accept as a candidate for the degree any person who:

(a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another University for a degree or degrees in dentistry which the Board of Research, Education and Development regards as equivalent *and*

(b) has completed at least two years of relevant practical experience since qualifying for that degree *and*

(c) has qualified for an Honours degree of the University of Adelaide equivalent to at least a second class division standard, or has qualified for the Graduate Diploma in Clinical Dentistry of the University of Adelaide or equivalent, or has successfully completed the Primary Examinations of the Royal Australasian College of Dental Surgeons or equivalent. A case for equivalence can be made by applicants with extensive experience of at least five years in dental practice and who can demonstrate active participation in continuing education

2.2 Status and articulation

2.2.1 A candidate who is currently enrolled for the Graduate Diploma in Clinical Dentistry or Master of Dental Surgery shall, on written application to the Dental School Higher Degrees and Scholarships Committee, be considered for status in all equivalent courses completed towards the Graduate Diploma in Clinical Dentistry or Master of Dental Surgery.

2.2.2 With the permission of the Higher Degrees and Scholarships Committee of the Dental School, students with a degree from other than the University of Adelaide may present for the degree of Doctor of Clinical Dentistry courses to a maximum aggregate units value of 24 units.

2.2.3 Transitional arrangements

2.2.3.1 Students with a degree of Master of Dental Surgery from the University of Adelaide may present for the degree of Doctor of Clinical Dentistry courses to a maximum aggregate units value of 48 units.

2.2.3.2 Students with a three year degree of Master of Dental Surgery (Orthodontics) from the University of Adelaide may present for the degree of Doctor of Clinical Dentistry courses to a maximum aggregate units value of 72 units.

2.2.3.3 Students with the Graduate Diploma in Clinical Dentistry from the University of Adelaide may present for the degree of Doctor of Clinical Dentistry courses to a maximum aggregate units value of 24 units.

2.2.3.4 Candidates who have maximum status awarded as outlined in rule 2.2.1 shall surrender the degree for which status is granted before being admitted to the degree of Doctor of Clinical Dentistry.

2.3 Acceptance

2.3.1 A person shall not be enrolled as a candidate for the degree unless:

(a) the applicant's proposed field of study and research is acceptable to the Board of Research Education and Development in consultation with the Dental School *and*

(b) the Dental School can provide appropriate supervisors and other resources to support the candidate at this university or a collaborating university.

2.3.2 Collaborating Universities for the purpose of this degree shall be defined from time to time by the Dental School.

2.4 Extensions and intermissions

2.4.1 The Board of Research Education and Development in consultation with the Dental School may grant a candidate one extension of candidature of twelve months beyond the

maximum period specified in rule 1.1, but if the research thesis or related works has not been submitted by the end of that period, the candidature will lapse.

2.4.2 A candidate whose work is interrupted for a period of time may be granted an intermission of candidature by the Board of Research Education and Development. If an intermission is approved the duration of the candidature specified in rule 1.1 will be adjusted accordingly.

2.4.3 For candidates undertaking the Oral and Maxillofacial Surgery stream, an intermission of up to four years may be granted while the candidate completes the prerequisites of 8039 Specialist Oral and Maxillofacial Surgery VII. The duration of the candidature specified in Rule 1.1 will be adjusted accordingly.

2.5 Resumption of lapsed candidature

2.5.1 A candidature which has lapsed will be resumed if the completed research work, which has not departed from the field of study which was being pursued before the candidature lapsed, is subsequently submitted within two years from the date when the candidature lapsed to the Manager, Administrative Services. The research work will only be accepted if the Dental School certifies that it is satisfactory to the School. Any extension beyond the two years shall be determined on a case by case basis by the Board of Research Education and Development in consultation with the School. Approval of the Board is required for resumption of a lapsed candidature under any other conditions.

In special circumstances the Board, on the recommendation of the School, may approve the resumption of a lapsed candidature for one period of up to six months prior to the submission of the completed research work.

2.6 Prescribed communicable infections policy

The University promotes a pro-active public health approach to prescribed communicable infections (PCI) such as HIV/AIDS, Hepatitis B and Hepatitis C, and seeks to minimise the impact of these infections on students' academic progress. It offers understanding and practical support to students with such infections, and aims to provide a work and study environment free from discrimination, challenging views that result in discriminatory attitudes toward people with PCIs.

The University also has a legal and ethical obligation to take all reasonable measures to prevent the transmission of prescribed communicable infections among students, staff members and visitors, and recognises that some students with such infections will not be permitted to complete the Bachelor of Medicine, Bachelor of Surgery, the Bachelor of Dental Surgery or other clinical programs offered by the Faculty of Health Sciences.

All prospective medical and dental school students are strongly advised to consult the University's *Students With Prescribed Communicable Infections Policy* - available through the University's website at www.adelaide.edu.au/student/current/policies.html - which makes reference to the relevant legislation, elaborates on the reasons for the adoption of this policy, and outlines procedures for implementing the policy.

3 Assessment and examinations

3.1 Clinical component

Candidates shall be assessed annually. This assessment may take the form of a written examination, viva voce or clinical presentation. Should a candidate's progress be unsatisfactory, their candidature will be reviewed by the Graduate School Advisory Board of the Dental School which shall make recommendations to the Board of Research Education and Development.

3.2 Research component

3.2.1 In order to fulfil the requirements of the research component for the degree, students shall submit a research work consisting of either (1) a thesis based on original research, or (2) a compilation of a minimum of two papers based on research undertaken for the degree, and accepted for publication in internationally refereed journals, with an accompanying summary. By the end of their third year, candidates shall lodge with the Manager, Administrative Services, three copies of the research work for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.

3.2.2 The Board of Research Education and Development in consultation with the Dental School shall appoint two examiners external to the Dental School for assessment of the research thesis.

3.2.3 Where a candidate submits a compilation of two or more papers accepted for publication in internationally refereed journals, with an accompanying summary, the research work shall be assessed by the Doctoral Examination Committee which shall make appropriate recommendation to the Board of Research Education and Development.

3.3 Recommendations of Doctoral Examination Committee

The Doctoral Examination Committee may recommend to the Board of Research Education and Development through the Graduate School Advisory Board that the candidate:

(a) be awarded the degree *or*

(b) be examined orally or otherwise on the subject of the research work and the general field of knowledge in which it falls *or*

(c) be awarded the degree subject to such amendments of the research thesis as the examiners may have suggested *or*

(d) be not awarded the degree but be allowed to revise and resubmit the research thesis within such period as the Board of Research Education and Development may allow *or*

(e) be not awarded the degree.

3.4 Doctoral Examination Committee

3.4.1 For each candidate, there shall be a Doctoral Examination Committee which shall consist of the Principal Supervisor, the Postgraduate Coordinator and one person nominated by the Higher Degrees and Scholarships Committee of the Dental School.

3.4.2 The Doctoral Examination Committee shall:

(a) recommend the appointment of examiners

(b) consider the reports of the examiners of a research thesis, or published works submitted as fulfilment of the requirements of the research component, and the results of any examination, and make appropriate recommendation to the Board of Research Education and Development regarding the award of the degree.

3.5 Review of Academic Progress

A formal review of a candidate's progress shall be conducted by the Dental School at least once a year, in accordance with Board of Research Education and Development guidelines. A candidate's re-enrolment in the following year is conditional upon his/her having attained satisfactory progress in the year except where the Board is satisfied that special circumstances beyond the candidate's control affected the progress. If a candidate's progress is unsatisfactory, the Board may terminate the candidature, in accordance with the guidelines outlined in the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees.

4 Qualification requirements

4.1 A candidate shall pursue a program of study and research approved by the Board of Research Education and Development in consultation with the Dental School.

4.2 Within the coursework study component, which comprises two thirds of the degree, all candidates shall be required to complete core courses to the value of 12 units and specialist stream courses to the value of 36 units.

4.3 Within the research component which shall comprise one third of the degree, all candidates shall be required to complete research courses to the value of 24 units.

4.4 Candidates shall satisfactorily complete:

(a) the following core courses:

DENT 8001AHO/BHO Research Methods, Experimental Design & Ethics	4
DENT 8002AHO/BHO Common topics in Dental Clinical Science	4
DENT 8003AHO/BHO Interdisciplinary seminars in Clinical Dentistry	0

(b) all courses in one of the following course streams:

(i) Dento-Maxillo-Facial Radiology

DENT 8010AHO/BHO Specialist Clinical Dento-Maxillo-Facial Radiology VI	8
DENT 8011AHO/BHO Specialist Clinical Dento-Maxillo-Facial Radiology VII	8
DENT 8012AHO/BHO Specialist Clinical Dento-Maxillo-Facial Radiology VIII	24

(ii) Endodontics

DENT 8020AHO/BHO Specialist Clinical Endodontics VI	8
DENT 8021AHO/BHO Specialist Clinical Endodontics VII	8
DENT 8022AHO/BHO Specialist Clinical Endodontics VIII	24

(iii) Forensic Odontology

DENT 8030AHO/BHO Specialist Clinical Forensic Odontology VI	8
DENT 8031AHO/BHO Specialist Clinical Forensic Odontology VII	8
DENT 8032AHO/BHO Specialist Clinical Forensic Odontology VIII	24

(iv) General Dental Practice

DENT 8040AHO/BHO Advanced General Dental Practice VI	8
DENT 8041AHO/BHO Advanced General Dental Practice VII	8
DENT 8042AHO/BHO Advanced General Dental Practice VIII	24

(v) Oral & Maxillofacial Surgery

DENT 8050AHO/BHO Specialist Oral & Maxillofacial Surgery VI	8
DENT 8050AHO/BHO Specialist Oral & Maxillofacial Surgery VII	8
DENT 8052AHO/BHO Specialist Oral & Maxillofacial Surgery VIII	24

(vi) Oral Medicine

DENT 8060AHO/BHO Specialist Oral Medicine VI	8
DENT 8061AHO/BHO Specialist Oral Medicine VII	8
DENT 8062AHO/BHO Specialist Oral Medicine VIII	24

(vii) Oral Pathology

DENT 8070AHO/BHO Specialist Oral Pathology VI	8
DENT 8071AHO/BHO Specialist Oral Pathology VII	8
DENT 8072AHO/BHO Specialist Oral Pathology VIII	24

(viii) Orthodontics

DENT 8080AHO/BHO Specialist Orthodontics VI	8
DENT 8081AHO/BHO Specialist Orthodontics VII	8
DENT 8082AHO/BHO Specialist Orthodontics VIII	24

(ix) Paediatric Dentistry

DENT 8090AHO/BHO Specialist Paediatric Dentistry VI	8
DENT 8091AHO/BHO Specialist Paediatric Dentistry VII	8
DENT 8092AHO/BHO Specialist Paediatric Dentistry VIII	24

(x) Periodontics

DENT 8100AHO/BHO Specialist Periodontics VI	8
DENT 8101AHO/BHO Specialist Periodontics VII	8
DENT 8102AHO/BHO Specialist Periodontics VIII	24

(xi) Prosthodontics

DENT 8110AHO/BHO Specialist Prosthodontics VI	8
DENT 8111AHO/BHO Specialist Prosthodontics VII	8
DENT 8112AHO/BHO Specialist Prosthodontics VIII	24

(c) the following four courses which shall be taken sequentially:

DENT 8004HO Doctor of Clinical Dentistry Research A	6
DENT 8005HO Doctor of Clinical Dentistry B	6
DENT 8006HO Doctor of Clinical Dentistry C	6
DENT 8007HO Doctor of Clinical Dentistry D	6

4.5 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.6 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Doctor of Dental Science

Academic Program Rules

1 A person shall not be accepted as a candidate for the degree of Doctor of Dental Science until the expiration of at least four years from admission to the degree of Bachelor of Dental Surgery in the University of Adelaide provided that, in the case of a graduate in dentistry of another university who has been admitted ad eundem gradum in the University of Adelaide, the period of four years shall be reckoned from the date of the first graduation in dentistry.

2 Except in special cases approved by the Board of Research Education and Development, acting with authority wittingly devolved to it by Council only persons who have been admitted to the degree of Master of Dental Surgery or Master of Science in Dentistry or Doctor of Philosophy may become candidates for the degree of Doctor of Dental Science:

3 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager Graduate Administration and Scholarships, Adelaide Graduate Centre. At the same time, and in a separate statement, the applicant shall furnish particulars of personal achievements and a summary of the progress of knowledge relevant to the work proposed for the degree, and indicate where it is considered that the work advances dental knowledge or practice.

(b) The Faculty of Health Sciences shall appoint a committee to investigate the information submitted, including the quality and nature of the work to be submitted, and to advise the Faculty as to whether the Faculty should

(i) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted

(ii) advise the applicant to revise the submission

(iii) advise the applicant not to submit the work *or*

(iv) not allow the applicant to proceed and the Faculty's decision shall be conveyed to the applicant.

(c) If the candidature is accepted and the candidate proceeds with the submission, the Faculty shall approve two or more examiners recommended by the committee of whom at least one shall be external to the University.

(d) The thesis may be written specially for the degree, or may be an already published work, or may be a series of papers. It shall not be a compilation from books, nor a mere compendium of cases, nor merely observational. On the recommendation of an examiner, a candidate may be required to undergo examination in the subject matter of, or in subjects cognate to, the thesis.

(e) In submitting published works, the candidate shall state generally in a preface and specifically in notes, the main sources from which the information was derived and the extent to which the work of others has been included, especially where joint publications are concerned. The candidate may also signify in general terms those parts of the work that are claimed as original. The candidate is also required to indicate what part, if any, of the work has been submitted for a degree in this or any other university.

4 To qualify for the degree, the candidate must satisfy the examiners that the thesis makes an original contribution of distinguished merit and advances knowledge in some branch of dental science.

5 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree the two of the copies will be transmitted to the University Library.

6 On receipt of the reports of the examiners appointed to adjudicate upon the thesis the Faculty of Health Sciences will recommend whether the degree be granted or withheld or delayed.

7 Notwithstanding anything contained in the preceding rules, the Faculty may in exceptional circumstances recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to some branch of dental science.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 10 December, 1942

Amended: 16 Mar. 1961: 5; 15 Jan. 1976: 7; 4 Feb. 1982: 5; 1 Mar. 1984: 2, 7

Regulations repealed and substituted 1 Mar. 1989; 21 Feb, 1991: 2

Rule approved and Regulation repealed 18 March 1999.

School of Economics

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Please refer to the Adelaide Graduate Centre for Academic Program Rules 3

Postgraduate awards in the School of Economics

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- Graduate Certificate in Economics
- Graduate Certificate in International Economics
- Graduate Diploma in Advanced Economics
- Graduate Diploma in Applied Economics
- Graduate Diploma in International Economics
- Master of Applied Economics
- Master of Applied Economics (International)
- Master of Economics
- Master of Economics (Coursework)

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Professional Certificate in International Trade

Academic Program Rules

1 Duration of Program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete the equivalent of one semester of part-time study delivered in six two-day intensive modules.

2 Admission

2.1 An applicant for admission to the academic program for the Professional Certificate in International Trade shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty as equivalent to a degree of the University.

2.2 The Faculty may accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Status, exemption and credit transfer

Candidates are permitted to count courses towards the Professional Certificate in International Trade, which they have already presented towards another qualification, up to a maximum aggregate value of 6 units.

3 Assessment

3.1 There shall be four classifications of pass associated with the program leading to the Professional Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass. Each of the six modules will have an assessment requirement.

3.2 A candidate who fails a course and wishes to repeat the course shall, unless exempted partially therefrom by the Executive Director of the Institute of International Business, Economics and Law or nominee, again complete the required work ato the satisfaction of the staff concerned .

3.3 A candidate who has failed a course twice may not enrol in that course except by permission of the Executive Director of the Institute of International Business, Economics and Law, and then only under such conditions as may be prescribed.

4 Qualification Requirements

4.1 To qualify for the Professional Certificate in International Trade, a candidate shall satisfactorily complete the following two courses:

TRADE 5000 International Trade: Negotiations & Agreements	3
TRADE 5001 International Trade: Strategies & Opportunities	3

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the teaching area concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Economics

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall complete satisfactorily a program of full-time study extending over at least one semester or of part-time study extending over at least two semesters.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program for the Graduate Certificate shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University.

2.2 Subject to the approval of the Council, the School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Certificate.

2.3 The School may require an applicant to complete such additional preliminary work as it may prescribe before he or she is accepted as a candidate for the Graduate Certificate.

2.4 A knowledge of SACE Stage 2 Mathematics I or equivalent is assumed.

2.5 Status, exemption and credit transfer

2.5.1 A candidate who has passed courses in other educational institutions and who has not presented these courses towards an award may, on written application to the Dean be granted such exemption from the requirements of these rules as the School shall determine. Status may be granted for a maximum of 3 units under 4.2 of the Program Rules.

2.5.2 No candidate will be permitted to count for the Graduate Certificate in Economics any course that in the opinion of the School contains substantially the same material as any other course which has been presented already for another qualification.

2.6 Articulation with other awards

Candidates intending to continue on to a graduate Diploma or Master's degree are advised strongly to consult the course requirements for those programs to ensure they complete the compulsory courses satisfactorily.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the final assessment of any course for the Graduate Certificate as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

3.2 A candidate for the Graduate Certificate in Economics shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of the Program Rules.

3.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

(b) A candidate who fails a course and wishes to repeat the course shall again attend lectures and satisfactorily do such written and practical work as the lecturer concerned may prescribe.

(c) A candidate who has twice failed the examination in any course for the Graduate Certificate or for any other course which in the opinion of the School contains a substantial amount of the same material, may not enrol for that course except by permission of the School and then only under such conditions as School may prescribe.

4 Qualification requirements

To qualify for the Graduate Certificate in Economics the candidate shall satisfactorily complete the following:

4.1 Academic Program

4.1.1 Four one-semester courses (a minimum of twelve units) which shall comprise lectures and tutorials in any of the following courses not previously completed.

ECON 7001 Applied Econometrics IIID*	3
ECON 7011 Consumers, Firms & Markets IID	3
ECON 7016 Resource & Environmental Economics IIID	3
ECON 7017 Special Topics IIID	3
ECON 7022 Econometrics IIID*	3
ECON 7032 Public Economics IIID	3
ECON 7044 International Finance IIID	3
ECON 7047 Employment Relations IID	3

ECON 7050 International Economic History IIID	3
ECON 7051 Economic and Financial Data Analysis IID*	3
ECON 7058 Development Economics IIID	3
ECON 7062 Strategic Thinking for Decision Making IIID	3
ECON 7070 Labour Economics IIID	3
ECON 7071 Macroeconomic Theory & Policy IID	3
ECON 7072 International Trade IIID	3
ECON 7074 Business Data Analysis ID*	3
ECON 7075 Mathematical Economics IID*	3
ECON 7076 Australian Economic History IID	3
ECON 7096 Economic Theory IIID	3
ECON 7114 Money, Banking & Financial Markets IIID	3

*students are reminded that some mathematical and statistical background is desirable for these courses.

Note: check with the School of Economics for course availability each year.

4.1.2 A candidate may, with the permission of the Head of School, substitute one four unit course drawn from 4.2 of the Academic Program Rules of the Graduate Diploma in Advanced Economics as a 3 unit course towards the Certificate.

4.2 The number of courses to be offered in any semester will be dependent upon staff availability and student demand.

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in International Economics

Academic Program Rules

1 Duration of Program

A candidate for the Graduate Certificate shall complete satisfactorily a program of full-time study extending over at least one semester or of part-time study extending over at least two semesters. A candidate shall take not more than six consecutive semesters to complete the requirements of the Certificate.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program for the Graduate Certificate shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University.

2.2 Subject to the approval of the Council, the School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Certificate.

2.3 The School may require an applicant to complete such additional preliminary work as it may prescribe before he or she is accepted as a candidate for the Graduate Certificate.

2.4 A knowledge of SACE Stage 2 Mathematics I or its equivalent is assumed.

2.5 Status, exemption and credit transfer

2.5.1 A candidate who has passed courses in other educational institutions and who has not presented these courses towards an award may, on written application to the Dean be granted such exemption from the requirements of these rules as the School shall determine. Status may be granted for a maximum of 3 units under 4.2 of the Academic Program Rules.

2.5.2 No candidate will be permitted to count for the Graduate Certificate in International Economics any course that in the opinion of the School contains substantially the same material as any other course which he or she has presented already for another qualification.

2.6 Articulation with other awards

Candidates intending to continue on to a Graduate Diploma or Master's degree are advised strongly to consult the course requirements for those programs to ensure they complete the compulsory courses satisfactorily.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the final assessment of any course for the Graduate Certificate as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

3.2 A candidate for the Graduate Certificate in International Economics shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of the Academic Program Rules of the Certificate.

3.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

(b) A candidate who fails a course and wishes to repeat the course shall again attend lectures and tutorials and satisfactorily do such written and practical work as the lecturer concerned may prescribe.

(c) A candidate who has twice failed the examination in any course for the Graduate Certificate or for any other course which in the opinion of the School contains a substantial amount of the same material, may not enrol for that course except by permission of the School and then only under such conditions as School may prescribe.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate in International Economics the candidate shall satisfactorily complete four one-semester courses (a minimum of twelve units) which shall comprise the following:

4.1.1 (a) at least one of the following International Economics courses (or their equivalent):

ECON 7036 International Trade and Investment Policy IID	3
ECON 7044 International Finance IIID	3
ECON 7072 International Trade IIID	3

(b) at least three of the following courses not previously or otherwise completed (9 units):

ECON 7001 Applied Econometrics IIID*	3
ECON 7011 Consumers, Firms & Markets IID	3
ECON 7016 Resource & Environmental Economics IIID	3
ECON 7017 Special Topics IIID	3
ECON 7022 Econometrics IIID*	3
ECON 7032 Public Economics IIID	3
ECON 7036 International Trade and Investment Policy IID	3
ECON 7044 International Finance IIID	3
ECON 7050 International Economic History IIID	3
ECON 7051 Economic and Financial Data Analysis IID*	3
ECON 7058 Development Economics IIID	3
ECON 7062 Strategic Thinking for Decision Making IIID	3
ECON 7070 Labour Economics IIID	3
ECON 7071 Macroeconomic Theory & Policy IID	3
ECON 7072 International Trade IIID	3
ECON 7096 Economic Theory IIID	3
ECON 7114 Money, Banking & Financial Markets IIID	3

*students are reminded that some mathematical and statistical background is desirable for these courses.

Note: check with the School of Economics for course availability each year.

(c) A candidate may, with the permission of the Dean of School substitute one four unit course drawn from 4.2 of the Academic Program Rules of the Graduate Diploma in Advanced Economics as a 3 unit course towards the Certificate.

4.2 The number of courses to be offered in any semester will be dependent upon staff availability and student demand.

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Advanced Economics

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma in Advanced Economics a candidate shall satisfactorily complete a program of full-time study extending over at least two semesters or of part-time study extending over at least four semesters.

2 Admission

2.1 An applicant for admission to the program for the Graduate Diploma shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University. The degree must contain a major in Economics.

2.2 Subject to the approval of the School, the Council may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of 2.1 above but who has given evidence satisfactory to the School of fitness to undertake work for the Graduate Diploma.

2.3 The School may require an applicant to complete such additional preliminary work as it may prescribe before he or she is accepted as a candidate for the Graduate Diploma.

2.4 Status, exemption and credit transfer

2.4.1 A candidate who has passed courses in other educational institutions and who has not presented these courses towards an award may, on written application to the School, be granted such exemption from the requirements of these Program Rules as the School shall determine. Status may be granted for a maximum of 8 units under 4.2 below.

2.4.2 No candidate will be permitted to count for the Graduate Diploma in Advanced Economics any course that in the opinion of the School contains substantially the same material as any other course which he or she has presented already for another qualification, other than for the Graduate Certificates in Economics or the Graduate Diploma in Applied Economics or the Graduate Diploma in International Economics and then only upon its surrender.

2.5 Articulation with other awards

2.5.1 A candidate holding a Graduate Certificate in Economics or International Economics or Graduate Diploma in Applied or International Economics may count courses passed in these programs toward the Graduate Diploma upon surrender of the other award.

2.5.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the course requirements for such programs to ensure they complete the compulsory courses satisfactorily.

2.5.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the final assessment of any course for the Graduate Diploma as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

3.2 A candidate for the Graduate Diploma in Advanced Economics shall regularly attend lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of these Academic Program Rules.

3.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

(b) A candidate who fails a course and wishes to repeat the course shall attend again lectures and satisfactorily do such written and practical work as the lecturer concerned may prescribe.

(c) A candidate who has twice failed the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma in Advanced Economics the candidate shall complete satisfactorily six semester courses (24 units) which shall comprise lectures and tutorials in the following:

4.1.1 (a) the following two compulsory core courses (8 units):

ECON 7025 Microeconomics A (H)	4
ECON 7059 Macroeconomics A (H)	4

(b) one of the following quantitative courses (four units):

ECON 7010 Econometrics A (H)	4
ECON 7038 Econometrics IIIA	4
ECON 7082 Applied Econometrics IIIA	4

(c) at least two courses, not previously or otherwise completed, chosen from the list (a minimum of 8 units) including the presentation of a research essay in at least one of the courses:

ECON 7009 Mathematical Economics (H)	4
ECON 7010 Econometrics A (H)	4
ECON 7024 Special Topics (H)	4
ECON 7053 Long Run Growth (H)	4
ECON 7055 International Trade (H)	4
ECON 7056 International Finance (H)	4
ECON 7065 Public Economics (H)	4
ECON 7077 Economic Development (H)	4
ECON 7104 Labour Economics (H)	4

(d) one other course not previously or otherwise completed, from those listed above in 4.2 or from the following (4 units):

ECON 7005 Resource & Environment Economics IIIA	4
ECON 7007 International Finance IIIA	4
ECON 7038 Econometrics IIIA	4
ECON 7069 International Trade IIIA	4
ECON 7082 Applied Econometrics IIIA	4
ECON 7088 Strategic Thinking for Decision Making IIIA	4
ECON 7089 Development Economics IIIA	4
ECON 7095 Economic Theory IIIA	4
ECON 7099 International Economic History IIIA	4
ECON 7105 Labour Economics IIIA	4
ECON 7113 Money, Banking and Financial Markets IIIA	4
ECON 7116 Public Economics IIIA	4

Note: check with the School of Economics for course availability each year

4.2 The number of courses to be offered in any semester will be dependent upon the availability of staff and student demand.

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Applied Economics

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall complete satisfactorily a program of full-time study extending over at least two semesters or of part-time study extending over at least four semesters.

2 Admission

2.1 An applicant for admission to the program for the Graduate Diploma shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University and have obtained the approval of the School of Economics. The degree need not contain a major in Economics.

2.2 Subject to the approval of the Council the School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Diploma. Normally that would involve completing satisfactorily the requirements for the Graduate Certificate in Economics.

2.3 A knowledge of SACE Stage 2 Mathematics 1 or equivalent is assumed.

2.4 Status, exemption and credit transfer

2.4.1 A candidate who has passed courses in other educational institutions and who has not presented these courses towards an award may, on written application to the Dean, be granted such exemption from the requirements of these regulations as the School shall determine. Status may be granted for a maximum of 6 units under 4.2 of the Academic Program Rules.

2.4.2 No candidate will be permitted to count for the Graduate Diploma in Applied Economics any course that in the opinion of the School contains substantially the same material as any other course which he or she has presented already for another qualification, other than for the Graduate Certificate in Economics or International Economics and then only upon its surrender.

2.5 Articulation with other awards

2.5.1 A candidate holding a Graduate Certificate in Economics or International Economics may count courses passed in the Graduate Certificate toward the Graduate Diploma upon surrender of the Graduate Certificate.

2.5.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the course requirements for such programs to ensure they complete the compulsory courses satisfactorily.

2.5.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the final assessment of any course for the Graduate Diploma as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

3.2 A candidate for the Graduate Diploma in Applied Economics shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of these Academic Program Rules.

3.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

(b) A candidate who fails a course and wishes to repeat the course shall again attend lectures and satisfactorily do such written and practical work as the lecturer concerned may prescribe.

(c) A candidate who has failed twice the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma in Applied Economics the candidate shall complete satisfactorily eight semester courses (a minimum of 24 units) which shall comprise lectures and tutorials in the following:

4.1.1 (a) the following two compulsory core courses (6 units):

ECON 7011 Consumers, Firms & Markets IID	3
ECON 7071 Macroeconomic Theory & Policy IID	3

(b) one of the following quantitative courses (3 units):

ECON 7001 Applied Econometrics IIID*	3
ECON 7022 Econometrics IIID*	3
ECON 7051 Economic and Financial Data Analysis IID*	3
ECON 7074 Business Data Analysis ID	3
ECON 7075 Mathematical Economics IID*	3

(c) at least five courses not previously or otherwise completed (15 units) chosen from the following list, of which at least three courses (9 units) must be IIID courses:

ECON 7001 Applied Econometrics IIID*	3
ECON 7016 Resource & Environmental Economics IIID	3
ECON 7017 Special Topics IIID	3
ECON 7022 Econometrics IIID*	3
ECON 7032 Public Economics IIID	3
ECON 7036 International Trade and Investment Policy IID	3
ECON 7037 Special Topics in Financial Economics IIID	3
ECON 7044 International Finance IIID	3
ECON 7047 Employment Relations IID	3
ECON 7050 International Economic History IIID	3
ECON 7058 Development Economics IIID	3
ECON 7062 Strategic Thinking for Decision Making IIID	3
ECON 7070 Labour Economics IIID	3
ECON 7072 International Trade IIID	3
ECON 7075 Mathematical Economics IID*	3
ECON 7096 Economic Theory IIID#	3
ECON 7114 Money, Banking and Financial Markets IIID	3

* these courses are available for students with some mathematical and statistical background.

\# highly recommended

Note: students are recommended to check with the School of Economics for course availability each year.

(d) A candidate may substitute one or more 4 unit course drawn from 6.2.4 of the Academic Program Rules of the Master of Applied Economics as a 3 unit course towards the Diploma.

4.2 The number of courses to be offered in any semester will be dependent upon staff availability and student demand.

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in International Economics

Academic Program Rules

1 Duration of Program

To qualify for the Graduate Diploma a candidate shall complete satisfactorily a program of full-time study extending over at least two semesters or of part-time study extending over at least four semesters.

2 Admission

2.1 An applicant for admission to the program for the Graduate Diploma shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University. The degree need not contain a major in Economics.

2.2 The School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Diploma. Normally that would involve completing satisfactorily the requirements for the Graduate Certificate in Economics or Graduate Certificate in International Economics.

2.3 A knowledge of SACE Stage 2 Mathematics I or its equivalent is assumed.

2.4 Status, exemption and credit transfer

2.4.1 A candidate who has passed courses in other educational institutions and who has not presented these courses towards an award may, on written application to the Dean, be granted such exemption from the requirements of these regulations as the School shall determine. Status may be granted for a maximum of 6 units under 4.2 of the Academic Program Rules.

2.4.2 No candidate will be permitted to count for the Graduate Diploma in International Economics any course that in the opinion of the School contains substantially the same material as any other course which he or she has presented already for another qualification, other than for the Graduate Certificate in International Economics and then only upon its surrender.

2.5 Articulation with other awards

2.5.1 A candidate holding a Graduate Certificate in Economics or International Economics may count courses passed in the Graduate Certificate toward the Graduate Diploma upon surrender of the Graduate Certificate.

2.5.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the course requirements for such programs to ensure they complete the compulsory courses satisfactorily.

2.5.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the final assessment of any course for the Graduate Diploma as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

3.2 A candidate for the Graduate Diploma in International Economics shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of these Program Rules of the Diploma.

3.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

(b) A candidate who fails a course and wishes to repeat the course shall again attend lectures and tutorials and satisfactorily do such written and practical work as the lecturer concerned may prescribe.

(c) A candidate who has failed twice the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma in International Economics the candidate shall complete satisfactorily eight semester courses (a minimum of 24 units) which shall comprise the following:

4.1.1 (a) at least two of the following International Economics courses or their equivalents (6 units):

ECON 7036 International Trade and Investment Policy IID	3
ECON 7044 International Finance IIID	3
ECON 7072 International Trade IIID	3

(b) ECON 7011 Consumers, Firms & Markets IID (or equiv.) 3

(c) at least one of the following quantitative courses or their equivalents (3 units):

ECON 7001 Applied Econometrics IIID*	3
ECON 7022 Econometrics IIID*	3
ECON 7051 Economic and Financial Data Analysis IID*	3

(d) at least four of the following courses not previously or otherwise completed (a minimum of 12 units):

ECON 7001 Applied Econometrics IIID*	3
ECON 7016 Resource & Environmental Economics IIID	3
ECON 7017 Special Topics IIID	3
ECON 7022 Econometrics IIID*	3
ECON 7032 Public Economics IIID	3
ECON 7036 International Trade and Investment Policy IID	3
ECON 7044 International Finance IIID	3
ECON 7050 International Economic History III D	3
ECON 7058 Development Economics IIID	3
ECON 7062 Strategic Thinking for Decision Making IIID	3
ECON 7071 Macroeconomics IID	3
ECON 7072 International Trade IIID	3
ECON 7096 Economic Theory IIID#	3
ECON 7114 Money, Banking and Financial Markets IIID	3

* these courses are available for students with some mathematical and statistical background

highly recommended

Note: students are strongly recommended to check with the School of Economics for course availability each year.

(e) A candidate may substitute one or more 4 unit courses drawn from 6.2.4 of the Academic Program Rules of the Master of Applied Economics as a 3 unit course in the Diploma.

4.2 The number of courses to be offered in any semester will be dependent upon staff availability and student demand.

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Applied Economics

Academic Program Rules

1 General

1.1 Each candidate will be required to undertake during university vacations such studies as may be prescribed.

1.2 A candidate for the degree of Doctor of Philosophy whose work is considered by the School to be not of sufficient merit may be awarded the degree of Master of Applied Economics.

2 Duration of program

2.1 (a) Except by special permission of the School, the work of the degree for a full-time candidate shall be completed in not less than two semesters and not more than six semesters from the date of candidature accepted by the School.

(b) Except by special permission of the School, the work of the degree for a part-time candidate shall be completed in not less than four semesters and not more than twelve semesters from the date of candidature accepted by the School.

3 Admission

3.1 The School may accept as a candidate for the degree any graduate who:

(a) has qualified for the degree Bachelor of Economics of the University of Adelaide at an average equivalent to a credit or better *or*

(b) has qualified for a degree of another university at an average equivalent to a credit or better, which degree the School regards as being equivalent to the degree Bachelor of Economics of the University of Adelaide *or*

(c) has qualified for a joint degree in Economics of the University of Adelaide or its equivalent from another university, supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Dean of School or nominee) *or*

(d) has qualified for a degree of the University of Adelaide or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University at an average equivalent to a credit or better and has obtained the approval of the School. The degree need not contain a major in Economics but must be supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Head of School or nominee) *or*

(e) has qualified for either of the Graduate Diplomas in Applied or International Economics from the University of Adelaide or their equivalent from another university.

3.2 The School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactory to the School of fitness to undertake work for the degree.

3.3 Status, exemption and credit transfer

A candidate who has completed a Bachelor's degree which includes a major in economics, or the Graduate Certificate in Economics or International Economics, or the Graduate Diploma in Applied Economics or International Economics, may be granted status in up to 12 units, as part of the qualification requirements as specified in 6.1.3, towards the degree. A candidate who has completed the Professional Certificate in International Trade may be granted status up to 6 units, as part of the qualification requirements specified in 6.3 towards the degree. Results obtained in these courses must be of a standard deemed acceptable by the Head of the School for the purposes of granting status.

4 Enrolment

A candidate's program of study must be approved by the Head of the School (or nominee) at enrolment each year.

5 Assessment and examinations

5.1 Students undertaking the dissertation option as specified in 6.1.6 shall lodge with the School three copies of the dissertation or project prepared in accordance with the directions given to candidates by the School.

5.2 Results of those who pass in any of the courses shall be published within the following classifications:
High Distinction, Distinction, Credit, Pass.

5.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

(b) A candidate who fails a course and wishes to repeat the course shall again attend lectures and tutorials and satisfactorily do such written and practical work as the lecturer concerned may prescribe.

(c) A candidate who has failed twice the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

5.4 Review of academic progress

A candidate's progress shall be reviewed by the School at the end of each year. If in the opinion of the School, a candidate is not making satisfactory progress the School may, with the consent of the Council, withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree.

6 Qualification requirements

6.1 Academic Program

To qualify for the degree of Master of Applied Economics, the candidate shall complete satisfactorily a program of study which shall consist of courses as follows, with a combined total of not less than 36 units:

6.1.1 ECON 7096 Economic Theory IIID 3

6.1.2 one of the following quantitative courses:

ECON 7001 Applied Econometrics IIID 3

ECON 7022 Econometrics IIID 3

6.1.3 two elective courses not previously or otherwise completed (6 units) to be chosen from the following list:

ECON 7001 Applied Econometrics IIID 3

ECON 7016 Resource & Environmental Economics IIID 3

ECON 7017 Special Topics IIID 3

ECON 7022 Econometrics IIID 3

ECON 7032 Public Economics IIID 3

ECON 7044 International Finance IIID 3

ECON 7050 International Economic History IIID 3

ECON 7058 Development Economics IIID 3

ECON 7062 Strategic Thinking for Decision Making IIID 3

ECON 7070 Labour Economics IIID 3

ECON 7072 International Trade IIID 3

ECON 7114 Money, Banking and Financial Markets III D 3

ECON 7125 Applied Microeconomics IIID 3

Note: Level IIID courses involve work and assessment in addition to that which is required in Level III courses.

6.1.4 two elective courses not previously or otherwise completed (8 units) to be chosen from the following list.

ECON 7009 Mathematical Economics (H) 4

ECON 7010 Econometrics A (H) 4

ECON 7024 Special Topics (H) 4

ECON 7025 Microeconomics A (H)# 4

ECON 7053 Long Run Growth (H) 4

ECON 7055 International Trade (H) 4

ECON 7056 International Finance (H) 4

ECON 7059 Macroeconomics A (H)# 4

ECON 7065 Public Economics (H) 4

ECON 7077 Economic Development (H) 4

ECON 7093 Econometrics B (H) 4

ECON 7104 Labour Economics (H) 4

6.1.5 ECON 7141 Challenges Facing Economic Policy Makers 4

These courses are requisites for students intending to transfer to the M.Ec. (Cswk) program

Note: The precise number of courses to be offered in any one year will be depend upon staff availability and student demand, and subject to such quotas as may need to be imposed.

6.1.6 *either*

Any combination of additional courses from 6.1.3 or 6.1.4 to the value of at least 12 units

or

ECON 7084 Master of Applied Economics Dissertation 12

ECON 7129A/B Master of Applied Economics Dissertation (Part-time) 12

6.2 Candidates are permitted to substitute an approved non-Economics course for courses listed in 6.1.3 to the value of 3 units.

6.3 Candidates are permitted to substitute an approved non-Economics course for courses listed in 6.1.3 to the value of 6 units, if undertaking the 'additional courses' option specified in 6.1.6.

Note: The maximum number of approved non-Economics courses that may be taken towards the program is 6 units.

6.4 In special circumstances, candidates may be given permission to substitute another course for courses listed in 6.1.1, 6.1.2, 6.1.3 and 6.1.4 above.

6.5 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

6.6 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

7 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Applied Economics (International)

Academic Program Rules

1 General

1.1 Each candidate will be required to undertake during university vacations such studies as may be prescribed.

1.2 A candidate for the degree of Doctor of Philosophy whose work is considered by the School to be not of sufficient merit may be awarded the degree of Master of Applied Economics (International).

2 Duration of program

2.1 (a) Except by special permission of the School, the work of the degree for a full-time candidate shall be completed in not less than two semesters and not more than six semesters from the date of candidature accepted by the School.

(b) Except by special permission of the School, the work of the degree for a part-time candidate shall be completed in not less than four semesters and not more than twelve semesters from the date of candidature accepted by the School.

3 Admission

3.1 The School may accept as a candidate for the degree any graduate who:

(a) has qualified for the degree Bachelor of Economics of the University of Adelaide at an average equivalent to a credit or better *or*

(b) has qualified for a degree of another university at an average equivalent to a credit or better, which degree the School regards as being equivalent to the degree of Bachelor of Economics of the University of Adelaide *or*

(c) has qualified for a joint degree in Economics of the University of Adelaide or its equivalent from another university, supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Dean of School or nominee *or*

(d) has qualified for a degree of the University of Adelaide or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University at an average equivalent to a credit or better and has obtained the approval of the School. The degree need not contain a major in Economics but must be supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Head of School or nominee) *or*

(e) has qualified for either of the Graduate Diplomas in Applied or International Economics from the University of Adelaide or their equivalent from another university.

3.2 The School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactory to the School of fitness to undertake work for the degree.

3.3 Status, exemption and credit transfer

A candidate who has completed a Bachelor's degree which includes a major in economics, or the Graduate Certificate in Economics or International Economics, or the Graduate Diploma in Applied Economics or International Economics, may be granted status in up to 12 units, as part of the qualification requirements specified in 6.1.2, towards the degree. A candidate who has completed the Professional Certificate in International Trade may be granted status up to 6 units, as part of the qualification requirements specified in 6.3 towards the degree. Results obtained in these courses must be of a standard deemed acceptable by the Head of the School for the purposes of granting status.

4 Enrolment

A candidate's program of study must be approved by the Head (or nominee) at enrolment each year.

5 Assessment and examinations

5.1 Students undertaking the dissertation option as specified in 6.1.5 shall lodge with the School three copies of the thesis or dissertation prepared in accordance with the directions given to candidates by the School.

5.2 Results of those who pass in any of the courses shall be published within the following classifications:
High Distinction, Distinction, Credit, Pass.

5.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

(b) A candidate who fails a course and wishes to repeat the course shall again attend lectures and tutorials and satisfactorily do such written and practical work as the lecturer concerned may prescribe.

(c) A candidate who has failed twice the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

5.4 Review of academic progress

A candidate's progress shall be reviewed by the School at the end of each year. If in the opinion of the School a candidate is not making satisfactory progress the School may, with the consent of the Council, withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree.

6 Qualification requirements

6.1 Academic Program

To qualify for the degree of Master of Applied Economics (International), the candidate shall complete satisfactorily a program of study which shall consist of courses as follows, with a combined total of not less than 36 units:

6.1.1 *either*

Econ 7072 International Trade IIID	3
and	
ECON 7055 International Trade (H)	4
or	
ECON 7044 International Finance IIID	3
and	
ECON 7056 International Finance (H)	4

6.1.2 three elective course not previously or otherwise completed (9 units) to be chosen from the following list

ECON 7001 Applied Econometrics IIID#	3
ECON 7016 Resource & Environmental Economics IIID	3
ECON 7017 Special Topics IIID	3
ECON 7022 Econometrics IIID#	3
ECON 7032 Public Economics IIID	3
ECON 7044 International Finance IIID	3
ECON 7050 International Economic History IIID	3
ECON 7058 Development Economics IIID	3
ECON 7062 Strategic Thinking for Decision Making IIID	3
ECON 7070 Labour Economics IIID	3
ECON 7072 International Trade IIID	3
ECON 7096 Economic Theory IIID#	3
ECON 7114 Money, Banking & Financial Markets IIID	3
ECON 7125 Applied Microeconomics IIID	3

Note: Level IIID courses involve work and assessment in addition to that which is required in Level III courses.

6.1.3 one elective course not previously or otherwise completed (4 units) to be chosen from the following list

ECON 7009 Mathematical Economics (H)	4
ECON 7010 Econometrics A (H)	4
ECON 7024 Special Topics (H)	4
ECON 7025 Microeconomics A (H)##	4
ECON 7053 Long Run Growth (H)	4
ECON 7055 International Trade (H)	4
ECON 7056 International Finance (H)	4
ECON 7059 Macroeconomics A (H)##	4
ECON 7065 Public Economics (H)	4
ECON 7077 Economic Development (H)	4
ECON 7093 Econometrics B (H)	4
ECON 7094A/B Econometrics C (H)	4
ECON 7104 Labour Economics (H)	4

6.1.4 ECON 7141 Challenges Facing Economic Policy Makers 4

students are encouraged to take Economic Theory IIID and at least one Econometrics course.

These courses are requisites for students intending to transfer to the M.Ec. (Cswk) program.

Note: the precise number of courses to be offered in any one year will be depend upon staff availability and student demand, and subject to such quotas as may need to be imposed.

6.1.5 *either*

Any combination of additional courses from 6.1.2 or 6.1.3 to the value of at least 12 units

or

ECON 7126 Master of Applied Economics (International) Dissertation	12
ECON 7127A/B Master of Applied Economics (International) Dissertation (Part-time)	12

6.2 Candidates are permitted to substitute an approved non-Economics course for courses listed in 6.1.2 to the value of 3 units.

6.3 Candidates are permitted to substitute an approved non-Economics course for courses listed in 6.1.2 to the value of 6 units, if undertaking the 'additional courses' option specified in 6.1.5.

Note: The maximum number of approved non-Economics courses that may be taken towards the program is 6 units.

6.4 With the approval of the Head of School, students undertaking the additional courses option as specified in 6.1.6, may take up to 6 units of approved non-Economic postgraduate courses.

6.5 In special circumstances, candidates may be given permission to substitute another course for courses listed in 6.1.1, 6.1.2 and 6.1.3 above.

6.4 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

6.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

7 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Economics

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Enrolment

2.1 Continuation of enrolment after the first twelve months of the degree will depend on overall academic progress including the satisfactory completion of the Core Component of the Structured Program within twelve months (or part time equivalent*) from the commencement of candidature.

* this rule supersedes general academic program rule 6.2

2.2 The Core Component of the Structured Program shall include the formulation of a research proposal and usually, its presentation at a seminar, together with any other elements as determined by the Faculty. For the Master of Economics degree this would normally include at least the following: ECON 7086 Advanced Macroeconomics and ECON 7087 Advanced Microeconomics.

Master of Economics (Coursework)

Academic Program Rules

1 General

Each candidate will be required to undertake, during university vacations, such studies as may be prescribed.

2 Duration of program

2.1 (a) Except by special permission of the School, the work of the degree for a full-time candidate shall be completed in not less than one year and not more than two years from the date of candidature accepted by the School.

(b) Except by special permission of the School, the work of the degree for a part-time candidate shall be completed in not less than two years and not more than six years from the date of candidature accepted by the School.

3 Admission

3.1 The School may accept as a candidate for the degree any graduate who:

(a) has qualified for the degree Bachelor of Economics with First or Second-Class Honours of the University of Adelaide *or*

(b) has qualified for an Honours degree of another university, which degree the School regards as being equivalent to a First or Second-Class Honours degree in Economics of the University of Adelaide *or*

(c) has qualified for the Graduate Diploma in Advanced Economics of the University of Adelaide *or*

(d) has shown satisfactory progress in the Master of Applied Economics or Master of Applied Economics (International) of the University of Adelaide, or its equivalent from another University, at a standard deemed by the School to be sufficient for admission to the program for the degree of Master of Economics.

3.2 The School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactory to the School of fitness to undertake work for the degree.

4 Enrolment

A candidate's program of study must be approved by the School (or nominee) at enrolment each year.

5 Assessment and examinations

5.1 On completion of the work, the candidate shall lodge with the School three copies of the dissertation or project prepared in accordance with the directions given to candidates by the School.

5.2 Results of those who pass in any of the courses shall be published within the following classifications: High Distinction, Distinction, Credit, Pass.

5.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

(b) A candidate who fails a course and wishes to repeat the course shall again attend lectures and tutorials and satisfactorily do such written and practical work as the lecturer concerned may prescribe.

(c) A candidate who has failed twice the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

5.4 Review of academic progress

A candidate's progress shall be reviewed by the School at the end of each year. If in the opinion of the School a candidate is not making satisfactory progress the School may, with the consent of the Council, withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree.

6 Qualification requirements

6.1 Academic program

To qualify for the degree of Master of Economics (Coursework), the candidate shall complete satisfactorily a program of study which shall comprise 24 units as follows.

6.1.1	ECON 7086 Advanced Macroeconomics	3
	ECON 7087 Advanced Microeconomics	3
6.1.2	one of the following quantitative courses:	
	ECON 7001 Applied Econometrics IIID #	3
	ECON 7022 Econometrics IIID #	3
	ECON 7090 Econometrics A	3
	ECON 7091 Econometrics B	3
6.1.3	up to four other courses not previously or otherwise completed:	
	ECON 7001 Applied Econometrics IIID #	3
	ECON 7022 Econometrics IIID #	3
	ECON 7067 Economic Development	3
	ECON 7090 Econometrics A	3
	ECON 7091 Econometrics B	3
	ECON 7100 International Finance IV	3
	ECON 7102 International Trade	3
	ECON 7103 Labour Economics	3
	ECON 7106 Long Run Growth	3
	ECON 7110 Mathematical Economics	3
	ECON 7115 Public Economics	3
	ECON 7117 Reading Topics A*	3
	ECON 7118 Reading Topics B*	3
	ECON 7123 Special Topics in Economics	3

See 6.2 below.

* completion of at least one reading topic is highly recommended. Contact the School of Economics to obtain details of the reading topics available each year.

Note: the precise number of courses to be offered in any one year will depend upon staff availability and student demand.

6.1.4 Supervised Research Project

ECON 7108 Master of Economics Research Project A	6
or	
ECON 7134A/B Master of Economics Research Project A (Part-time)	6
or	
ECON 7109 Master of Economics Research Project B	3
or	
ECON 7135A/B Master of Economics Research Project B (Part-time)	3

6.2 Students may count only one of ECON 7001 Applied Econometrics IIID or ECON 7022 Econometrics IIID towards the Masters.

6.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

6.4 Where a candidate has completed coursework which has not been presented for another qualification and which is deemed by the School of Economics to be equivalent to the courses listed under 6.1, status may be granted up to a maximum of four such courses.

6.5 In special circumstances, candidates may be given permission to substitute another course for courses listed in 6.1 above.

6.5.1 Students enrolled in previous years should consult the Postgraduate Adviser for advice on qualification requirements.

6.6 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

7 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

School of Education

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Graduate Certificate in Education (Higher Education)

Academic Program Rules

1 Duration of program

The Graduate Certificate is offered only on a part time basis. To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the equivalent of one semester of full-time study over a period of not less than one year, and not more than 3 years, of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Education (Higher Education) shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 An applicant for admission must have relevant teaching experience in a tertiary institution.

2.3 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rules 2.1 and 2.2 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.4 Status, exemption and credit transfer

2.4.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.4.2 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be one classification of pass in any course for the Graduate Certificate: Non-Graded Pass.

3.2 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

EDUC 4401 University Teaching for Effective Student Learning	3
EDUC 4402 Curriculum Design, Assessment and Evaluation	3
EDUC 4403 Reflective Practice in Learning and Teaching	3
EDUC 4404 Research Based Learning and Teaching	3

4.1 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Education

Completion of this program satisfies the requirements for registration with the Teacher Registration Board of South Australia.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a student shall satisfactorily complete a program of one year of full-time study or up to six years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Education shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.

2.2 Status, exemption and credit transfer

2.2.1 No student may be granted more than twelve units of status toward the Graduate Diploma for other studies undertaken in the University or other institutions.

2.2.2 A candidate who has had practical teaching experience may, after enrolment, apply in writing to the School of Education for status in teaching practice.

2.3 Articulation with other awards

2.3.1 Students who have been admitted to the award of Graduate Certificate in Educational Studies who subsequently successfully complete the requirements of the Graduate Diploma in Education must surrender their first award before being admitted to the Graduate Diploma in Education.

2.3.2 Notwithstanding the above Rules a candidate who has been enrolled for the degree of Graduate Diploma in Education and who has completed the work prescribed herein for the Graduate Certificate in Educational Studies and who has not been awarded the Graduate Diploma shall, on written application to the Faculty, be awarded the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be one of two systems of classification of pass in individual courses for the Graduate Diploma: either Non-Graded Pass, or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 Review of academic progress

3.2.1 A student who fails a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.

3.2.2 A student who has twice failed a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

3.2.3 For the purposes of this clause a student who is refused permission to sit for an examination, or who does not, without a reason accepted by the Head of the School of Education as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the course is taught, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

Students must successfully complete courses to the value of 24 units comprising 6 units of Teaching Practice courses, 6 units of Curriculum and Methodology courses and 12 units of Education Studies courses.

4.1.1 Teaching Practice

Teaching Practice courses to the value of 6 units

EDUC 4050 Teaching Practice Part I	3
EDUC 4051 Teaching Practice Part II	3

4.1.2 Curriculum and Methodology

Courses to a value of six units taken from:

Humanities

EDUC 4014A/B Geography Curriculum and Methodology	2
EDUC 4016A/B History Curriculum & Methodology	2
EDUC 4026A/B Legal Studies Curriculum & Methodology	2
EDUC 4034A/B Studies of Society and Environment	2

Business

EDUC 4001A/B Accounting Curriculum & Methodology	2
EDUC 4004A/B Business Studies Curriculum and Methodology	2
EDUC 4009A/B Economics Curriculum & Methodology	2

English

EDUC 4013A/B General English Curriculum and Methodology	2
EDUC 4032A/B Senior English Curriculum and Methodology	2

Music

EDUC 4007A/B Classroom Music Curriculum and Methodology	3
EDUC 4019A/B Instrumental Music Curriculum and Methodology	3

Languages other than English

EDUC 4006A/B Chinese Curriculum & Methodology	2
EDUC 4010A/B English as a Second Language	2
EDUC 4012A/B French Curriculum & Methodology	2
EDUC 4015A/B German Curriculum & Methodology	2
EDUC 4017A/B Indonesian Curriculum & Methodology	2
EDUC 4021A/B Italian Curriculum and Methodology	2
EDUC 4022A/B Japanese Curriculum & Methodology	2
EDUC 4025A/B Language Methodology	2
EDUC 4036A/B Spanish Curriculum & Methodology	2
EDUC 4038A/B Other Languages Curriculum and Methodology	2
Educ 4043A/B Vietnamese Curriculum and Methodology	2
EDUC 4087A/B Modern Greek Curriculum and Methodology	2

Mathematics

EDUC 4018A/B Information Technology Curriculum and Methodology	2
EDUC 4023A/B Junior Mathematics Curriculum and Methodology	2
EDUC 4033A/B Senior Mathematics Curriculum and Methodology	2

Science

EDUC 4003A/B Biology Curriculum & Methodology	2
EDUC 4005A/B Chemistry Curriculum & Methodology	2
EDUC 4024A/B Junior Science Curriculum and Methodology	2
EDUC 4028A/B Physics Curriculum & Methodology	2

General

EDUC 4002A/B Adult Learner Curriculum & Methodology	2
EDUC 4011A/B Extended Specialist Curriculum	2

4.1.3 Education Studies

Education Studies courses to a total value of 12 units as follows

EDUC 4035 Families, Schools & Students' Outcomes	2
EDUC 4039 Educational Psychology A	2
EDUC 4083 Curriculum Frameworks	2
EDUC 4084 Curriculum Perspectives	2
EDUC 4085 Educational Psychology B	2
EDUC 4086 Culture, Education and Society	2

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Education – Graduate Attributes

The Graduate Diploma in Education is a one year program undertaken by students who have completed an undergraduate degree. Students take courses at the University that interact with practical experiences pursued in schools. That is, the program is considered as a unified whole and the attributes of each course are those that are stated for the program. The attributes will form the basis of the evaluation procedures related to the Graduate Diploma in Education. At the completion of the program students are able to register as secondary school teachers in Australia and internationally.

The skills to be acquired by a student in the program include:

- A significant understanding of basic domains of knowledge – gained through the discipline-based undergraduate degree.
- A competence in constructing a pedagogical approach to teaching in the classroom.
- A capacity to integrate the particular and special concerns of families, peers and neighbourhoods into their teaching – gained from ongoing experiences in a variety of schools.
- An understanding of the existing school systems and the ability to explore how the next generation of schools might most appropriately be designed.

In particular, the Graduate Diploma in Education will contribute to the development of the following Graduate attributes:

- Knowledge and understanding of the students' chosen discipline areas
- Cognitive skills in analysing, evaluating and synthesising information
- The capacity for critical thinking and problem solving
- Interpersonal and communication skills of a high order
- The ability to fulfil leadership roles within the teaching profession and community at large
- Proficiency in the appropriate and responsible use of modern technologies
- A commitment to participate responsibly and critically within their discipline and their profession, as well as their local communities and the wider world
- A strong sense of social justice and commitment to moral standards and cultural diversity.

Bachelor of Educational Studies

The Bachelor of Educational Studies award represents a professional development program, designed for practising teachers. It offers advanced studies in educational theory and practice, together with further studies intended to enhance and develop the range of areas in which they are qualified to teach.

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising one year of full-time study or not more than four years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Bachelor of Educational Studies shall have qualified for a degree of the University, or for a degree of another institution accepted for the purpose by the University and have qualified for a Graduate Diploma in Education of the University or for an award accepted by the University as equivalent.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 No candidate shall be granted status for courses with a total value of more than 12 units on account of courses presented for any other award.

2.3.2 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of School, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Candidates may be granted credit towards the Bachelor of Educational Studies on account of the Graduate Certificate in Australian Studies (or other appropriate Graduate Certificate) for up to 8 units without surrendering the award, or up to 12 units upon surrender of the award.

2.4.2 A candidate who has met the requirements for the Bachelor of Educational Studies may apply for entry to the Master of Educational Studies, and if successful, receive status of up to 16 units for courses listed in the Academic Program Rules of the Master of Educational Studies. A candidate for Master of Educational Studies who has been granted status toward the degree for courses presented for the Bachelor of Educational Studies to a value of 12 or more units must surrender the Bachelor of Educational Studies before being admitted to the degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1.1 Educational courses

All candidates shall complete at least 8 units, and up to 16 units, from the following:

EDUC 5001 Adult Psychology and Education	4
EDUC 5007 Education in Multilingual Settings	4
EDUC 5011 Families, Schools and Students' Outcomes	4

EDUC 5012 Gender, Education and Social Change	4
EDUC 5013A/B Honours Mathematics (Education)	8
EDUC 5017 Mathematics Education	4
EDUC 5018 Multicultural Society & Educational Policy	4
EDUC 5021 Religion, Education and Social Change	4
EDUC 5022 Schools as Cultural Systems	4
EDUC 5023 Scientific Revolutions and Education	4
EDUC 5028 Theories of Psychology in Education	4

4.1.2 Elective courses

All candidates shall complete elective courses to the value of at least 8 units, and up to 16 units, selected from the courses listed for undergraduate and graduate degrees of the University which are appropriate to teaching in schools. Advice on appropriate options is available from the School of Education.

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Education

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 Further to Rules 5.1 - 5.4 of the General Academic Program Rules, a candidate for the Master of Education degree would normally be expected to satisfy the following requirements:

(a) have qualified for at least a Class II honours degree of the University or of another University accepted for the purpose by the University, and have qualified for the Graduate Diploma in Education of the University or for a qualification accepted by the University as equivalent *or*

(b) have qualified for the degree of Master of Educational Studies of the University or another acceptable university.

2.2 Status, exemption and credit transfer

With the permission of the Board of Research Education and Development, students may be granted up to a maximum of six units worth of coursework status for other studies undertaken in the University or other institutions

2.3 Articulation with other awards

A student who holds the degree of Master of Educational Studies of the University of Adelaide and is granted 12 units of status shall surrender that degree before being admitted to the degree of Master of Education.

3 Enrolment

3.1 In addition to Rule 6.3 of the General Academic Program Rules, the Core Component of the Structured Program for the Master of Education degree would consist of:

(a) at least one research methodology course from those listed in the Master of Educational Studies program;

(b) another appropriate/relevant course from those offered in the Master of Educational Studies program;

(c) the formulation of a research proposal and its presentation to a departmental seminar.

Master of Educational Studies

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising two semesters of full-time study or not more than six years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Educational Studies shall:

(a) have qualified for a degree of the University, or for a degree of another institution accepted for the purpose by the University and have qualified for a Graduate Diploma in Education of the University or for an award accepted by the University as equivalent *or*

(b) have qualified for a Bachelor of Education of another institution accepted for the purpose by the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with the special permission of the Faculty, no candidate will be granted status for any of the research methodology courses of the degree.

2.3.2 No candidate shall be granted status for courses with a total value of more than 8 units on account of courses presented for any other award, except the Bachelor of Educational Studies where up to 12 units on account of education courses may be awarded.

2.3.3 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Bachelor of Educational Studies and who has been granted status toward the degree for courses presented for the Bachelor of Educational Studies to a value of 8 or more units must surrender the Bachelor of Educational Studies before being admitted to the degree.

2.4.2 A candidate for the degree of Master of Educational Studies who does not complete the requirements of the degree may be admitted to the Bachelor of Educational Studies.

3 Assessment and examinations

3.1 There shall be four classifications of pass at the final examination in any course for the Master of Educational Studies: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the degree of Master of Educational Studies, a candidate shall satisfactorily complete courses to the value of 24 units, as follows.

4.1.1 Research Methodology courses

All candidates shall complete one of the following research methodology courses:

EDUC 5019 Qualitative Approaches to Educational Research	4
EDUC 5020 Quantitative Educational Research	4
EDUC 5026 Introduction to Statistics in Educational Research	4

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 12 units selected from the following:

EDUC 5001 Adult Psychology & Education	4
EDUC 5006 Education Directed Study	4
EDUC 5007 Education in Multilingual Settings	4
EDUC 5011 Families, Schools and Students' Outcomes	4
EDUC 5012 Gender, Education and Social Change	4
EDUC 5013A/B Honours Mathematics (Education)	8
EDUC 5017 Mathematics Education	4
EDUC 5018 Multicultural Society & Educational Policy	4
EDUC 5021 Religion, Education and Social Change	4
EDUC 5022 Schools as Cultural Systems	4
EDUC 5023 Scientific Revolutions and Education	4
EDUC 5028 Theories of Psychology in Education	4

and

Approved courses listed for any relevant coursework Masters program. Advice on appropriate options is available from the School of Education.

Transition Courses

EDUC 5002 Education Directed Study (2 unit)	2
EDUC 5005 Education Directed Study (3 unit)	3
EDUC 5006 Education Directed Study (4 unit)	4

4.1.2.1 Students may take additional research methodology courses in lieu of elective courses.

4.1.3 Research Project

All candidates shall complete the following:

EDUC 5500 Education Minor Project	4

and

one additional elective from 4.1.2 above

or

EDUC 5501 Education Research Project F/T	8

or

EDUC 5502A/B Education Research Project P/T	8

4.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Doctor of Education

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the Specific Academic Program Rules for the Ph D (see under Adelaide Graduate Centre, p.3) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for research doctorates at the University of Adelaide.

All students must comply with both the Specific Academic Program rules for the Doctor of Philosophy and the sub set of Specific Academic Program Rules for the Doctor of Education and with the policies and procedures outlined in the Code of Practice.

In addition to the Specific Academic Program Rules for the Doctor of Philosophy in this publication, the following rules apply to the Doctor of Education.

2 Academic standing

2.1 A candidate for the Doctor of Education would normally be expected to hold education qualifications, either in addition to the requirements laid down in 4.1 and 4.2 of the Specific Academic Program Rules for the Ph D, or as part of the earlier awards, such as B Ed or M Ed Studies.

2.2 In addition, candidates would be expected to have at least three years of professional experience in an educational context.

3 Work for the degree

3.1 For the Doctor of Education, the research undertaken shall take the form of a portfolio of professional research comprising three research projects on a particular professional issue or context. References to 'thesis' in the Specific Academic Program rules for the Doctor of Philosophy should be interpreted as "portfolio of research" in the case of the Doctor of Education.

3.2 The portfolio will contain an abstract that summarises the main findings presented in each research project and indicates how the three projects, when considered together, demonstrate a significant contribution to professional knowledge in education.

3.3 The portfolio will include an introduction which succinctly describes the professional problem or issue to be investigated, provides a critical review of the relevant literature in the area (which may replicate literature cited in the subsequent research projects), identifies specific gaps in educational knowledge and understanding and outlines the aims of the three research projects and the specific educational contexts in which the investigations take place.

3.4 The portfolio will contain a conclusion showing the professional significance of the findings for educational theory and practice, making recommendations for their practical implementation in educational contexts and for future research.

4 Required program of activities at the commencement of candidature

4.1 The Core Component of the Structured Program for the Doctor of Education will include:

(a) two research methodology courses from those offered for the Master of Educational Studies degree *or*

(b) where appropriate, one research methodology course and one other relevant course from those offered for the Master of Educational Studies degree.

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www.ecms.adelaide.edu.au

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- Master of Sciences (Defence Signal Information Processing)
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- Doctor of Engineering
- Doctor of Science in the Faculty of Engineering, Computer and Mathematical Sciences

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Professional Certificate in Applied Statistics

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Professional Certificate shall be completed in two semesters.

2 Admission

2.1 An applicant for admission to the program for the Professional Certificate in Applied Statistics shall have qualified for a degree of the University or another institution accepted by the University for the purpose as equivalent, or shall have had at least 3 years approved statistical work experience, and shall have demonstrated to the satisfaction of the University to have the capacity and experience to benefit from the program.

2.2 The Faculty may, subject to any conditions as it may see fit to impose in each case, accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Professional Certificate.

2.3 Status, exemption and credit transfer

With the permission of the Faculty, status may be granted for courses, on written application from the candidate.

2.4 Articulation with other awards

A candidate who has been admitted to the Professional Certificate in Applied Statistics and who subsequently satisfies the requirements for the Graduate Diploma in Statistics must surrender the Professional Certificate before being admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Professional Certificate: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass

3.2 (a) A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for the examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete three courses, as listed below and a project.

STATS 5000 Descriptive Statistics and Probability	2
STATS 5001 Statistical Inference and Regression	2
STATS 5002 Time Series and Survey Sampling Methods	2
STATS 5003A/B Project	1

4.2 No candidate will be permitted to count for the Professional Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

Graduate Certificate in Business Enterprise

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program of full-time study extending over at least six months or part-time study extending over at least one year. Except with the permission of the Faculty, the work for the Graduate Certificate shall be completed within two years.

2 Admission

2.1 Except as provided for in 2.2 below, a candidate for admission to the program of study for the Graduate Certificate shall have qualified for admission to a degree of the University or for a degree of another institution accepted for the purpose by the Faculty.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify for admission to the program under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

Except with the special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award. Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.4 Articulation with other awards

A candidate for the Master of Entrepreneurship who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate in Business Enterprise (SME).

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails to pass in a course and desires to take the course again shall again undertake study and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed the examination in any course or division of a course may not enrol for the course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails to attend all or part of a final examination (or supplementary examination if granted) after being enrolled for at least two thirds of the normal period during which the course is taught, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate in Business Enterprise (SME), a candidate shall satisfactorily complete courses to the value of 12 units as given below:

TECHCOMM 5017 New Enterprise Financial Management	3
TECHCOMM 5018 Opportunity Assessment	3
TECHCOMM 5019 New Enterprise Marketing	3
TECHCOMM 5020 New Enterprise Operations	3

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Computer Science

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall complete satisfactorily a program of full-time study extending over at least one semester or of part-time study extending over at least two semesters. A candidate shall take not more than six consecutive semesters to complete the requirements of the Certificate.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program for the Graduate Certificate shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of this University.

2.2 Subject to the approval of the Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 A knowledge of SACE Stage 2 Mathematics I or its equivalent is assumed.

2.4 A person who holds any of the following qualifications shall not be eligible for the award of the Graduate Certificate in Computer Science: a degree that includes a major in Computer Science or its equivalent; the Diploma in Computer Science, Master of Computer Science of the University of Adelaide, or equivalent qualifications in Computer Science.

2.5 Credit Transfer

2.5.1 A candidate who has passed courses in this or other educational institutions and who has not presented these courses towards an award may, on written application, be granted such exemption from the requirements of these rules as the Faculty shall determine. Status may be granted for a maximum of 3 units under 4.1 of the Academic Program Rules.

2.5.2 No candidate will be permitted to count for the Graduate Certificate any course that in the opinion of the School contains substantially the same material as any other course which he or she has presented already for another qualification.

3 Assessment and examination

3.1 There shall be four classifications of pass at an examination in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

3.3 A candidate who has twice failed to pass the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate the candidate shall satisfactorily complete courses to the value of at least 12 units listed in 4.1 for the degree of Graduate Diploma in Computer Science.

4.2 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Engineering (Environmental Engineering)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the permission of the Faculty the work for the Graduate Certificate shall be completed in part-time study over not more than two years.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program of study for the Graduate Certificate shall have qualified for the degree of Bachelor of Engineering of the University of Adelaide or for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as equivalent to that degree for the purpose of this Rule.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate an applicant who does not qualify for admission under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

A candidate who desires that examinations passed in the University or elsewhere be counted for the Graduate Certificate in Engineering (Environmental Engineering) may on written application be granted such exemption from the requirements of these Rules as the Faculty may determine. Otherwise no course counted for any other award shall be counted as part of the requirements for the Graduate Certificate. In any case, if a course has a Conceded Pass classification for the purpose of another award, any such course passed with this classification shall not count towards the requirements for the Graduate Certificate.

2.4 Articulation with other awards

These Academic Program Rules notwithstanding, a candidate who has been enrolled for the Graduate Diploma in Engineering (Environmental Engineering), and who as such a candidate has completed the work prescribed herein for the Graduate Certificate and who has not been awarded the Graduate Diploma, shall on written application be awarded the Graduate Certificate, subject to the student discontinuing candidature for the Graduate Diploma.

3 Enrolment

Each candidate's program of study must be approved by the Head of the School at enrolment each year.

4 Assessment and examinations

4.1 There shall be four classifications of Pass in each course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

4.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

4.3 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom by the Faculty.

4.4 A candidate who has twice failed in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Qualification requirements

5.1 To qualify for a Graduate Certificate in Engineering (Environmental Engineering) a candidate shall satisfactorily complete all courses from Group A in 5.6 below plus courses from Group B totalling at least 9 units.

5.2 The courses presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Certificate or already counted towards another qualification.

5.3 Should any course in Group A be covered by 5.2 above then a course(s) with an equivalent units value from Group B may be substituted with the approval of the Head of the School.

5.4 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses prior to the commencement of their Certificate studies as may be

deemed appropriate by the Head of the School. No academic credit toward the Certificate will be awarded for such studies.

5.5 To complete a program of study in a course a candidate shall, unless exempted by the Head of the School offering the course:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*

(b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the School offering the course may prescribe.

5.6 Academic Program

The following shall be courses for the Graduate Certificate in Engineering (Environmental Engineering):

Group A - Compulsory Course

C&ENVENG 5064 Environmental Engineering and Design III	3

Group B - Elective Courses

CHEM ENG 5000 Transport Processes in the Environment	2
C&ENVENG 5061 Environmental Science and Policy	2
C&ENVENG 5066 Advanced Engineering Hydrology and Design	3
C&ENVENG 5067 Advanced Water Distribution Systems and Design	3
C&ENVENG 5068 Advanced Water Resources Management and Design	3
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5.7 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Engineering (Fuels, Combustion and Emission Control)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Graduate Certificate shall be completed in not less than one semester and not more than two semesters of full-time study, or not less than two and not more than four semesters of part-time study.

2 Admission

2.1 Except as provided for in 2.2 below, an applicant for admission to the program for the Graduate Certificate shall:

(a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in 2.1 (a) above *or*

(c) have qualified in the University of Adelaide for the degree of Bachelor of Engineering or Bachelor of Science, or for an award accepted by the Faculty as being equivalent to one of those degrees, and have in addition successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

2.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Graduate Certificate, a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status or exemption

A candidate may not present for credit towards the Graduate Certificate any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

2.4 Articulation with other awards

Notwithstanding these Academic Program Rules, a candidate who has been enrolled for the degree of Master of Engineering (Fuels, Combustion & Emission Control) or Graduate Diploma in Engineering (Fuels, Combustion & Emission Control), who as such a candidate has completed the work prescribed herein for the Graduate Certificate and who has not been awarded the degree of Master or Graduate Diploma, shall on written application be awarded the Graduate Certificate, subject to the student discontinuing candidature for the degree of Master of Engineering (Fuels, Combustion & Emission Control) or Graduate Diploma in Engineering (Fuels, Combustion & Emission Control).

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom by the Faculty.

3.4 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for a Graduate Certificate in Engineering (Fuels, Combustion & Emission Control) a candidate shall satisfactorily complete all courses in Group A plus courses from Group B below, to the total value of at least 12 units.

Notes

1 Each year the School of Chemical Engineering shall determine which of the elective courses in Group B will be offered and in which semester they will be offered.

2 With approval from the Head of the School of Chemical Engineering, a student may undertake a limited number of courses offered by other Schools or Faculties, or by other institutions, to replace some of the elective courses in Group B.

4.2 Academic Program

Group A: core courses

CHEM ENG 5013 Fuels and Combustion Technology	2
CHEM ENG 5016 Instrumentation and Control for Combustion Processes	2
CHEM ENG 5017 Introduction to Combustion Phenomena	3
CHEM ENG 5027 Fuels and Combustion Laboratory Projects I	3

Group B: elective courses

General

CHEM ENG 5008 Combustion Heat Transfer	2
CHEM ENG 5009 Combustion for High Temperature Processing	2
CHEM ENG 5010 Combustion Plant Safety and Management	2
CHEM ENG 5026 Combustion and Environment	2

Coal

CHEM ENG 5006 Coal Combustion in Furnaces	2
CHEM ENG 5007 Coal Conversion Processes other than Combustion	2

Gas and Oil

CHEM ENG 5019 Oil and Gas Combustion Technology	2

4.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Engineering (Signal Processing)

Note: Postgraduate tuition fees apply to this program. It is not anticipated that there will be an intake into this program in 2005.

Academic Program Rules

1 Duration of program

Except with the permission of the Faculty the work for the Graduate Certificate shall be completed in not less than one semester of full-time work and not more than two years.

2 Admission

2.1 Except as provided in 2.2 below an applicant for admission to the program of study for the Graduate Certificate shall have qualified for the degree of Bachelor of Engineering of the University of Adelaide or for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as equivalent to that degree for the purpose of this Rule.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate an applicant who does not qualify for admission under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

3 Enrolment

Each candidate's program of study must be approved by the Head of the School at enrolment each year.

4 Assessment and examinations

4.1 There shall be four classifications of pass in each course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

4.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

4.3 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

4.4 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

4.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

5 Qualification requirements

5.1 To qualify for a Graduate Certificate in Engineering (Signal Processing) a candidate shall satisfactorily complete courses from 5.5 below with an aggregate units value of at least 12, including at least 6 units from Group A.

5.2 The courses presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Certificate or already counted towards another qualification.

5.3 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses prior to the commencement of their Certificate studies as may be deemed appropriate by the Head of the School. No academic credit toward the Certificate will be awarded for such studies.

5.4 To complete a program of study in a course a candidate shall, unless exempted by the Head of the School offering the course:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*

(b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the School offering the course may prescribe.

5.5 Academic Program

The following shall be courses for the Graduate Certificate in Engineering (Signal Processing):

Group A: core courses

ELEC ENG 5000 Neural Networks	2
ELEC ENG 5001 Introduction to Multisensor Data Fusion	2
ELEC ENG 5002 Radar Imaging	2

ELEC ENG 5003 Wavelet Transforms	2
ELEC ENG 5004 Computer Vision	2
ELEC ENG 5005 Estimation Theory	2
ELEC ENG 5006 Digital Signal Processing Techniques	2

Group B: elective courses

ELEC ENG 5021 Introduction to Surveillance Sensors and Systems	3

Other relevant courses offered for Graduate Diploma and Graduate Certificate programs at the University of Adelaide, the University of South Australia and the Flinders University of South Australia, as may be approved by the Head of the School of Electrical and Electronic Engineering.

5.6 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Engineering (Structural Engineering)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program of full-time study extending over at least one semester or its part-time equivalent. Except with the permission of the Faculty the work for the Graduate Certificate shall be completed within two years.

2 Admission

2.1 Except as provided in Regulation 2.2 below, an applicant for admission to the program of study for the Graduate Certificate shall either:

(i) have qualified for the degree of Bachelor of Engineering (Civil and Environmental) of the University of Adelaide *or*

(ii) hold a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to the degree of Bachelor of Engineering (Civil and Environmental) of the University of Adelaide.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate an applicant who does not qualify for admission under 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status and exemption

A candidate who desires that examinations which he or she has passed in the University or elsewhere be counted for the Graduate Certificate in Engineering (Structural Engineering) may on written application be granted such exemption from the requirements of these regulations as the Faculty may determine. Otherwise, no course counted for any other award of this University or other institution shall be counted as part of the requirements for the Graduate Certificate.

3 Enrolment

Each candidate's program of study must be approved by the Head of the School at enrolment each year.

4 Assessment and examinations

4.1 There shall be four classifications of pass in each course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a course has a Conceded Pass classification for the purpose of another award, any such course passed with this classification shall not count towards the requirements for the Graduate Certificate.

4.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

4.3 A candidate who fails (or obtains a conceded pass) in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

4.4 A candidate who has twice failed or obtained conceded passes in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Qualification requirements

5.1 To qualify for the Graduate Certificate in Engineering (Structural Engineering) a candidate shall satisfactorily complete all courses from Group A plus courses from Group B to a value of at least 6 units.

5.2 The courses presented shall not include any which are, in the opinion of the Faculty, substantially equivalent to other courses presented for the Certificate or already counted towards another qualification.

5.3 Should any course in Group A be covered by 5.2 above then course/s with an equivalent units value from Group B may be substituted with the approval of the Head of School.

5.4 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses prior to the

commencement of their Certificate studies as may be deemed appropriate by the Head of the School. No academic credit toward the Certificate will be awarded for such studies.

5.5 To complete a program of study in a course a candidate shall, unless exempted by the Head of the School offering the course:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*

(b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the School offering the course may prescribe.

5.6 Academic Program

The following shall be courses for the Graduate Certificate in Engineering (Structural Engineering):

Group A - Compulsory Courses

C&ENVENG 5062 Structural Design III (Concrete)	3
C&ENVENG 5063 Structural Design III (Steel)	3

Group B - Elective Courses

C&ENVENG 5056 Computer Methods of Structural Analysis and Design	3
C&ENVENG 5059 Special Topics in Structural Engineering IV N	3
C&ENVENG 7032 Design of Composite Structures	3
C&ENVENG 7033 Earthquake Engineering & Design	3
C&ENVENG 7038 Design of Concrete Structures N	3
C&ENVENG 7041 Fundamental Steel Design	3

5.7 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Mathematical Signal and Information Processing

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

1.1 A candidate shall:

(a) complete any preliminary work which may be prescribed;

(b) undertake an approved program of advanced part-time study which extends over not less than one and not more than two years.

2 Admission

2.1 Except as provided for in 2.2 an applicant for admission to the program of study for the Graduate Certificate shall:

have qualified for an Honours degree of Bachelor of Science in either Mathematics or Physics or a degree of Bachelor of Engineering (Electrical and Electronic) with Honours of the University of Adelaide, or for an equivalent degree of another tertiary institution accepted for the purpose by the University *or*

2.2 have qualified for a degree with Honours in other areas of Engineering, or an Honours degree in a related scientific area acceptable for the purpose to the Board of Studies. A person admitted under this sub-rule will normally be required satisfactorily to complete some initial bridging studies as deemed necessary by the Faculty, in addition to satisfying the requirements of the Graduate Certificate.

2.3 subject to the approval of the Council, the Board of Studies may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Certificate a person who does not qualify for admission under 2.1 or 2.2 but who has given evidence satisfactory to the Board of fitness to undertake work for the Certificate.

3 Assessment and examination

3.1 Review of academic progress

If in the opinion of the Board of Studies a candidate for the Graduate Certificate is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature.

4 Qualification requirements

4.1 To qualify for the degree a candidate shall:

(a) comply with conditions as prescribed in the Academic Program Rules *and*

(b) pass such examinations on the candidate's program of advanced study as may be required by the Board of Studies.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Academic Program

4.3.1 A candidate for the Graduate Certificate shall regularly attend lectures and tutorials, do such written and practical work as may be prescribed, and satisfactorily complete courses to the value of at least 12 units as defined in 4.3.2.

4.3.2 The program of study to the value of at least 12 units shall consist of courses selected from:

SIP 7001 Information Theory	3
SIP 7002 Kalman Filtering and Tracking	3
SIP 7003 Error Control Coding	3
SIP 7004 Mobile Communications	3
SIP 7005 Multisensor Data Fusion	3
SIP 7007 Image Processing	3
SIP 7009 Speech Processing	3
SIP 7011 Signal Processing Applications	3
SIP 7012 Detection, Estimation and Classification	3
SIP 7013 Introduction to Discrete Linear Systems	3
SIP 7015 Signal Synthesis and Analysis	3
SIP 7017 Specialised Studies A	3
SIP 7018 Specialised Studies B	3
SIP 7019 Specialised Studies C	3
SIP 7020 Specialised Studies D	3

SIP 7023 Satellite Communications	3
SIP 7024 Adaptive Signal Processing	3
SIP 7025 Beamforming and Array Processing	3
SIP 7026 Mathematical Coding and Cryptology	3

Specialised Studies may consist of directed readings or approved short courses as approved by the Faculty. The content and assessment of these courses will be determined in each case by the academic coordinator of the program in consultation with the student's supervisor and the student.

Note: Intending students should consult the program coordinator early in the year in which they plan to study in order to ascertain whether particular courses will be available in that year and in which semester courses will be taught.

4.3.3 Candidates who have been granted exemption from one or more of the courses listed in 4.3.2 may select in their place relevant courses from other courses offered by the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Board of Studies.

4.3.4 The availability of all courses is conditional on there being adequate staffing levels and resources.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the Board of Studies special circumstances exist, the Council, on the recommendation of the Board in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the program coordinator early in the year in which the program is being offered regarding the content of the courses that are to be offered in that year.

Graduate Certificate in Mathematics Education

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty the program for the Certificate shall be completed in not more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate shall:

(a) have qualified for a degree and a Graduate Diploma in Education of the University or hold qualifications from another institution accepted by the University for the purpose.

(b) have completed such other work as may be prescribed in the Academic Program Rules.

2.2 Subject to the approval of the Council, the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Certificate an applicant who does not satisfy the requirements of 2.1(a) and (b) above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Certificate.

3 Assessment and examination

3.1 Review of academic progress

If in the opinion of the Faculty a candidate for the Certificate is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Certificate.

4 Qualification requirements

4.1 To qualify for the Certificate a candidate shall satisfactorily complete a program of study and comply with conditions as prescribed in the Academic Program Rules.

4.2 Academic program

4.2.1 To qualify for the Certificate a candidate shall satisfactorily complete courses from 4.3 below with an aggregate value of at least 12 units satisfying the following requirements:

(a) Unless otherwise agreed by the Faculty, the courses presented for the Certificate must include Core courses with an aggregate value of at least 8 units.

(b) The courses presented for the Certificate shall not include any course which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Certificate or already counted towards another qualification gained by the candidate.

4.2.2 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging studies prior to the commencement of their Certificate studies as may be deemed appropriate by the Dean (or nominee).

4.2.3 To complete a program of study, a candidate, unless exempted by the Faculty, shall:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars; and

(b) undertake such computing work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations, as the Faculty may prescribe.

4.2.4 The syllabus for each course for the Certificate shall specify whether passes shall be non-graded or whether there shall be four classifications of pass: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

4.3 The following shall be the courses for the Graduate Certificate in Mathematics Education:

4.3.1 Core courses (provisional list)

Group A

APP MTH 5001 Thinking Mathematically	2
APP MTH 5042 School Mathematics Curriculum	2
PURE MTH 5015 Geometry for Teachers	2
PURE MTH 5022 Exploratory Data Analysis	2
PURE MTH 5031 Applying Mathematics	2

Group B

APP MTH 5003 Mathematics in Education	2
PURE MTH 5011 Modelling with Mathematics	2
PURE MTH 5043 Discrete Mathematics	2
PURE MTH 5044 Modern Statistics	2

4.3.2 Further courses

Group C

PURE MTH 5001A/B Certificate Project (Full-Year)	2
PURE MTH 5014 Directed Reading Studies	2
PURE MTH 5016 Minor Certificate Project	1
PURE MTH 5036 Certificate Project	2
PURE MTH 5037 Certificate Mathematical Studies	2
PURE MTH 5040 Minor Directed Reading Studies	1

Group D

Any other mathematical sciences or mathematics education course or other relevant course offered within the University of Adelaide and approved for the purpose by the Dean (or nominee).

Group E

Other mathematical sciences or mathematics education courses which may be offered from time to time by The Flinders University of South Australia and the University of South Australia and are approved for the purpose by the Dean (or nominee).

4.3.3 Each year the Faculty shall determine which of the above courses will be offered in the following year and in which semesters they will be offered.

4.3.4 Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities.

4.4 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

The Faculty of Engineering, Computer and Mathematical Sciences, in cooperation with the Department of Education offers a Graduate Certificate in Mathematics Education. The aim of the program is to enable graduates in teaching to gain professional development in modern mathematics content and processes, in mathematics education and in relevant teaching methodology, within an applied context.

The program is intended for holders of a qualification for teaching at diploma or degree level, or equivalent (for example a three-year degree plus a diploma or a four-year bachelor of education degree). Graduates wishing to enrol should consult the University of Adelaide Liaison Officer, Graduate Certificate in Mathematics Education, through the Office of the Dean in early October of the year before they plan to enrol.

In some cases, students may need to undertake preliminary bridging studies prior to the time of enrolment, to ensure that they have the necessary mathematical background indicated in the syllabuses.

Each student will be assigned a supervisor who will advise, where applicable, on project work, directed reading and selection of courses. At enrolment time, following consultation between the student and supervisor, each student's program must be formally approved by the Dean or nominee (normally by the Liaison Officer).

The program may be taken in up to two years of part-time study. It consists of courses with an aggregate value of at least 12 units, not equivalent to courses already offered by the candidate for another award. These courses must include core courses with an aggregate value of at least 8 units. (If courses equivalent to core courses have been offered for another award, other courses may be specified in their place).

The core courses are currently offered in a joint program by the South Australian higher education institutions, in association with the Adelaide Consortium for Mathematics Education. A 2 unit core course typically involves 26 to 30 contact hours; some courses will be based entirely on seminars and workshops while others will involve formal lectures with some associated workshops.

The core courses are divided into two groups and normally a student's core courses will all be from the same group. Group A core courses are intended as a basis for 're-skilling' of teachers who are currently teaching some junior secondary mathematics, or who wish to undertake such teaching, but whose training was in some other area (for example, science). Group B core courses are intended for professional development of mathematics specialist teachers who wish to update their background in mathematics relevant to the senior secondary curriculum, in mathematics education and teaching methodology and in the use of modern technology. While the program focuses mainly on these two categories, other applicants (for example, primary teachers) will be accepted if a satisfactory program of study appropriate to their needs is available within the framework of the Certificate.

Students enrolled for the Certificate at the University of Adelaide will usually select their non-core courses from Group C, which

comprises courses offered at the University of Adelaide. They will normally include a course whose work requirement consists of a project.

In the program for the Certificate there will be an emphasis on applications, investigations and problem-solving, and all students will take some courses involving the use of computer packages (though no knowledge of computer programming is required). Project work may involve practical experience in industry, business or a school or tertiary education.

Students who enrol for the degrees of Bachelor of Educational Studies, Master of Educational Studies or Master of Education awards are able to apply for credit to a maximum value of 12 units on account of work completed towards this Graduate Certificate.

Graduate Certificate in Project Management

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

The Graduate Certificate in Project Management can be completed in a minimum of 1 semester or participants can study at their own pace so long as the 4 courses are completed within 2 years.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Project Management shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate in Project Management a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

Candidates who have previously passed courses in postgraduate awards or equivalent at the University of Adelaide or another university and who wish to count such courses towards the Graduate Certificate in Project Management may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of six (6) units.

2.4 Articulation with other awards

A candidate for the Master of Project Management who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate may be admitted to that degree as appropriate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass.

3.2 A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails a course and wishes to repeat that course, shall, unless exempted partially there from by the

Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3.4 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units comprising 9 units from the list of core courses and 3 units of elective courses:

4.1.1 Core courses

TECHCOMM 5004 Managing Risk	3
TECHCOMM 5015 Project Finance and Accounting	3
TECHCOMM 5021 Applied Project Management 1	3

4.1.2 Elective courses

TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5008 Leading and Managing	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5010 Technology Project Management	3
TECHCOMM 5012 Integrated Logistic Support	3
TECHCOMM 5013 Systems Engineering	3
TECHCOMM 5014 Project and Management Techniques	3
TECHCOMM 5016 Entrepreneurship and Innovation	3
TECHCOMM 5018 Opportunity Assessment	3
TECHCOMM 5024 Project Management Project (3 units)	3
TECHCOMM 5026 Applied Project Management 2	3
TECHCOMM 5027 Business and Project Creation	3

Note: students should discuss their choice of courses with the Program Coordinator

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Science and Technology Commercialisation

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

The Graduate Certificate may be completed in a minimum of one semester, or participants can study at their own pace provided the four courses are completed within two years.

2 Admission

2.1 An applicant for admission to the program for the Graduate Certificate in Science and Technology Commercialisation shall have qualified for the degree of the University or another institution accepted by the University for the purpose as equivalent, shall have had at least 5 years approved professional work experience, and shall have demonstrated to the satisfaction of the University to have the capacity and experience to benefit from the program.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

Candidates who have previously passed courses in postgraduate awards or equivalent in the University of Adelaide or another university and who wish to count such courses towards the Graduate Certificate in Science and Technology Commercialisation may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of three (3) units.

2.4 Articulation with other awards

A candidate for the Graduate Diploma in Science and Technology Commercialisation who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate in Science and Technology Commercialisation.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass.

3.2 A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails a course and wishes to repeat that course, shall, unless exempted partially therefrom by the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3.4 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units of which at least 9 are core courses.

4.1.1 Core courses

TECHCOMM 5001 Marketing Technological Innovation	3
TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5005 Financing Commercialisation	3
TECHCOMM 5006 Technology Management and Transfer	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5008 Leading and Managing	3
TECHCOMM 5011 Internationalisation of Technology	3

4.1.2 Elective courses

TECHCOMM 5004 Managing Risk	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5012 Integrated Logistics Support	3
TECHCOMM 5021 Applied Project Management 1	3

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Sciences (Defence)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with permission of the Board of Studies, the program for the Graduate Certificate in Sciences (Defence) shall be completed in one semester of full-time study, or up to six semesters of part-time study.

2 Admission requirements

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall:

(a) have qualified for a degree from the University of Adelaide in a discipline related to the proposed field of study

(b) have qualified for an award accepted by the Board of Studies as being equivalent to a degree from the University of Adelaide in a discipline related to the proposed field of study *and*

shall have had at least 18 months' employment experience in a defence-related industry.

2.2 The Board of Studies may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the award of Graduate Certificate in Sciences (Defence), a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Board of fitness to undertake work for the degree.

2.3 Status or exemption

A candidate may not present for credit towards the award any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate in Sciences (Defence): Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. Courses passed with a conceded pass classification may not be counted towards the requirements for the award of Graduate Diploma in Sciences (Defence).

3.2 To satisfy the requirements of the Diploma, a candidate must obtain a weighted average taken over the best results in eligible courses which together amount to the required number of units, of at least 55%.

3.3 A candidate shall not be eligible to attend for examination unless any prescribed coursework has been completed to the satisfaction of the teaching staff concerned.

3.4 A candidate who fails in a course and desires to take the course again shall again attend the course and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Board of Studies for such exemption.

3.5 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Board of Studies and then only under such conditions as may be prescribed.

3.6 For the purpose of this Rule, a candidate who is refused permission to sit for the assessment for a given course, or who without a reason accepted by the Convenor of the Board of Studies (or nominee) fails to attend all or part of the assessment, shall be deemed to have failed that course.

4 Qualification requirements

4.1 To qualify for the award of Graduate Certificate in Sciences (Defence), a candidate shall satisfactorily complete courses from the following list to a total value of at least 12 units. These must include the 3-unit core course from Group A.

4.2 Candidates may present courses offered by other universities from a register of approved courses maintained by the Board of Studies, but the total value of these external courses must not exceed 6 units (including the core course).

Candidates must have their proposed program of studies approved by the Convenor of the Board of Studies or nominee at enrolment.

Group A : Core course

This course is offered by the University of South Australia

Systems Engineering for Complex Problem Solving	3

Group B : Defence Technology Stream

DEFSCI 7004 Aerospace Navigation & Guidance	3
DEFSCI 7005 Principles of Control Systems	3
DEFSCI 7006 Antennas and Propagation	3
DEFSCI 7007 Principles of RF Engineering	3
DEFSCI 7008 RF Measurements and Testing	3
DEFSCI 7018 Electromagnetism IIID	3
DEFSCI 7203 Photonics IV-D	3
DEFSCI 7204 Photonics III-D	3
DEFSCI 7205 Experimental Methods IV-D	3
DEFSCI 7206 Physical Optics III-D	3

Note: special conditions apply to choosing courses with a Photonics theme. There is a preferred sequence within these courses, and candidates should seek guidance on their enrolment pattern. Electromagnetics III contains material which is assumed knowledge in the remaining courses, and should be taken by candidates without this specialist undergraduate Physics background. From time to time further Photonics options may also become available.

Group B : Information and Communication Technology Stream

DEFSCI 7000 Cognitive Science: Minds, Brains and Computers	3
DEFSCI 7001 Decision Making in a Real Environment	3
DEFSCI 7002 Distributed Systems	3
DEFSCI 7003 Artificial Intelligence	3
DEFSCI 7013 Knowledge Representation	3
DEFSCI 7014 Parallel Computation	3

The availability of all elective courses is conditional on the availability of staff and facilities and sufficient enrolments.

Other relevant courses may be presented towards the requirements of the Graduate Certificate in Sciences (Defence) with the written approval of the Convenor of the Board of Studies.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of Board of Studies, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the Board of Studies special circumstances exist, the Council, on the recommendation of the Board in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Sciences (Defence Signal and Information Processing)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

A candidate shall:

(a) complete any preliminary work which may be prescribed

(b) undertake an approved program of advanced part-time study which extends over not less than one and not more than two years.

2 Admission

2.1 Except as provided for in 2.2 an applicant for admission to the program of study for the Graduate Certificate shall have qualified for an Honours award in Mathematics, Physics or in Electrical and Electronic Engineering; or a Bachelor award that includes a major in either Mathematics or Physics, or for an equivalent degree accepted for the purpose by the University, plus some experience in the Defence industry.

2.2 The Board of Studies may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 2.1 but who has given evidence satisfactory to the Board of fitness to undertake work for the degree.

2.3 Credit Transfer

2.3.1 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

2.3.2 Candidates may present courses offered by other universities from a register of approved courses maintained by the Board of Studies, but the total value of these external courses must not exceed 3 units under 4.2.1 (i) and 3 units under 4.2.1(ii) and (iii) of the Academic Program Rules.

3 Assessment and examination

3.1 Review of academic progress

If in the opinion of the Board of Studies a candidate for the degree is not making satisfactory progress, the Faculty may terminate the candidature.

4 Qualification requirements

4.1 To qualify for the degree a candidate shall:

(a) comply with conditions as prescribed in the Academic Program Rules

(b) satisfy examiners in courses of study as prescribed in the Academic Program Rules

(c) do such written and practical work as may be prescribed, and satisfactorily complete a total of at least 12 units as defined in 5.2.1

4.2 Academic program

4.2.1 The program of study and project work to the value of at least 12 units shall consist of:

(i) Compulsory courses

Engineering for Complex Problem Solving	3

(ii) courses to the value of at least 6 units selected from:

SIP 7002 Kalman Filtering and Tracking	3
SIP 7005 Multisensor Data Fusion	3
SIP 7007 Image Processing	3
SIP 7012 Detection, Estimation and Classification	3
SIP 7013 Introduction to Discrete Linear Systems	3
SIP 7024 Adaptive Signal Processing	3
SIP 7025 Beamforming and Array Processing	3

(iii) courses to the value of at least 3 units selected from either:

(a) courses listed in 5.2.1 (ii) *or*

(b) from the following courses

SIP7001 Information Theory	3
SIP7003 Error Control Coding	3
SIP7004 Mobile Communications	3
SIP7009 Speech Processing	3
SIP7011 Signal Processing Applications	3
SIP7015 Signal Synthesis and Analysis	3
SIP7017 Specialised Studies A	3
SIP7018 Specialised Studies B	3

SIP7019 Specialised Studies C	3
SIP7020 Specialised Studies D	3
SIP 7023 Satellite Communications	3
SIP 7026 Mathematical Coding & Cryptology	3

Specialised Studies may consist of directed readings or approved short courses as approved by the Faculty. The content and assessment of these courses will be determined in each case by the academic coordinator of the course in consultation with the student's supervisor and the student.

(c) other relevant courses as approved by the Board of Studies from other postgraduate programs of the University.

4.2.2 Students who are required to undertake preliminary work will normally enrol in one of the following courses

SIP 7027A/B Qualifying Studies in Mathematics Part 1 & 2	24
SIP 7028 Qualifying Studies in Mathematics	12

On satisfactory completion of this work the student will proceed to study as outlined in 5.2.1 above.

4.2.3 Candidates who are granted exemption from one or more of the courses listed in 5.2.1 (ii) on the basis of previous studies may select in their place other relevant courses offered by the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Faculty.

4.2.4 The availability of all courses is conditional on there being adequate staffing and resources.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the Board of Studies special circumstances exist, the Board in each case may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the program coordinator early in the year in which the program is being offered regarding the content of the specific courses that are to be offered in that year.

textbooks

Information on appropriate textbooks will be provided by the course coordinator at the commencement of each course.

examinations

For each course students may obtain from the course coordinator details of the examination in that course including the relevant weight given to the components (eg. such as the following as are relevant: assessments, semester or mid-semester tests, essays or other written or practical work, final written examinations, viva voce examinations).

Graduate Diploma in Applied Statistics

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of full-time study extending over at least one year or of part-time study extending over at least two years.

2 Admission

2.1 Except as provided for in 2.2 a candidate for admission to the program for the Graduate Diploma shall have qualified for admission to a degree of the University or to a degree of another university accepted for the purpose by the University and have obtained the approval of the Faculty.

2.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a university but has given evidence satisfactory to the Faculty of his fitness to undertake work for the diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass at an annual examination in any course for the diploma; Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate who fails to pass in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the professor or lecturer concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.3 A candidate who has twice failed to pass the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

3.4 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Head of the School of Applied Mathematics as adequate, to attend all or part of a final examination (or supplementary examination if remaining enrolled for at least eight teaching weeks of that semester), shall be deemed to have failed to pass the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall regularly attend lectures and tutorials, do such written work as may be prescribed, and pass examinations in a selection of courses chosen from the following list, to an aggregate value of at least 18 units, with at most 6 units from Level II.

4.1.1 Level II Statistics courses

STATS 6002 Introduction to Mathematical Statistics II	2
STATS 6003 Statistical Practice II	2
STATS 7054 Statistical Modelling	2

4.1.2 Level III Statistics courses

APP MTH 7066 Life Contingencies III	3
STATS 6001 Statistical Modelling III	3
STATS 6005 Time Series III	3
STATS 6006 Mathematical Statistics III	3
STATS 6008 Biostatistics III	3
STATS 6010 Experimental Design III	3
STATS 6014 Sampling Theory and Practice III	3
STATS 6016 Industrial Statistics III	2
STATS 6018 Bioinformatics III	3

4.1.3 at most, two of the Level III Applied Mathematics courses:

APP MTH 7056 Telecommunications Systems Modelling III	3
APP MTH 7065 Applied Probability III	3
APP MTH 7067 Mathematical Programming III	3
APP MTH 7076 Mathematical Biology III	3

4.1.4 Statistics courses listed in 5.3.1 for the degree of Master of Mathematical Sciences.

4.1.5 Other Statistics courses which may be offered from time to time by the School of Applied Mathematics and the Biometry Section (waite Campus) of the University of Adelaide.

4.1.6 Compulsory project

STATS 6017 Statistics Project 6

In addition to the course work each student will be expected to complete a project chosen in consultation with and supervised by a supervisor from either the Biometry Section (Waite Campus) or the School of Applied Mathematics.

4.2 On the recommendation of the Head of the School of Applied Mathematics, the Faculty may exempt a candidate from the need to satisfy the prerequisites prescribed for the course.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Computer Science

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of study extending over at least one year.

2 Admission

2.1 Except as provided for in 2.2 a candidate for admission to the program for the Graduate Diploma shall have qualified for admission to a degree of the University in a field other than Computer Science, or to a degree of another university accepted for the purpose by the University and have obtained the approval of the School of Computer Science.

2.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a university but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status and Credit Transfer

2.3.1 Subject to 2.4.1 below, no candidate will be permitted to count for the Graduate Diploma in Computer Science any course that in the opinion of the School contains substantially the same material as any other course which the candidate has presented already for another qualification.

2.3.2 A candidate who has passed courses in other educational institutions may, on written application, be granted such exemption from the requirements of these rules as the Faculty shall determine. Status may be granted for a maximum of 3 units under 4.1.1 of the Academic Program Rules.

2.4 Articulation with other awards

2.4.1 A candidate who has been enrolled for the Graduate Certificate at the University of Adelaide and who has not been awarded the Graduate Certificate shall, on written application, be permitted to transfer all equivalent courses towards the Graduate Diploma degree.

2.4.2 A candidate who holds the Graduate Certificate in Computer Science from the University of Adelaide shall surrender the Graduate Certificate before being awarded the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass at an examination in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate who fails to pass in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the professor or lecturer concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.3 A candidate who has twice failed to pass the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

3.4 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Head of the School of Computer Science as adequate, to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed to pass the examination.

4 Qualification requirements

4.1 Academic Program

A candidate for the Graduate Diploma shall regularly attend lectures and tutorials, do such written work as shall be prescribed, and pass examinations in courses offered by the School of Computer Science to the value of at least 24 units comprising at least 9 units of Level II and at least 9 units of Level III courses including COMP SCI 7015 Software Engineering and Project.

Level II courses:

COMP SCI 7080 Computer Science Concepts	3
COMP SCI 7081 Computer Systems	3
COMP SCI 7082 Data Structures and Algorithms	3
COMP SCI 7083 Database and Information Systems	3
COMP SCI 7084 Introduction to Software Engineering	3

COMP SCI 7085 Numerical Methods	3
COMP SCI 7088 Systems Programming in C and C++	3

Level III courses:

COMP SCI 7006 Programming Techniques	3
COMP SCI 7026 Computer Architecture	3
COMP SCI 7031 Advanced Programming Paradigms	3
COMP SCI 7039 Computer Networks & Applications	3
COMP SCI 7041 Compiler Construction and Project	3
COMP SCI 7055 Numerical Analysis	3
COMP SCI 7059 Artificial Intelligence	3
COMP SCI 7064 Operating Systems	3
COMP SCI 7075 Knowledge Representation	3
COMP SCI 7076 Distributed Systems	3
COMP SCI 7089 Event Driven Computing	3
COMP SCI 7090 Computer Graphics	3

Subject to permission from the Head of the School of Computer Science (or nominee) a student may also undertake a selection of courses from the Academic Program Rules for the degree of Master of Computer Science.

4.2 On the recommendation of the Head of the School of Computer Science, the Faculty may exempt a candidate from the need to satisfy the prerequisites prescribed for the course.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Engineering (Environmental Engineering)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of full-time study extending over at least one year or of part-time study over at least two years. Except with the permission of the Faculty the work for the Graduate Diploma shall be completed within three years.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program of study for the Graduate Diploma shall:

(a) have qualified for the degree of Bachelor of Engineering of the University of Adelaide *or*

(b) hold a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to the degree of Bachelor of Engineering of the University of Adelaide *or*

(c) have been admitted to the program of study for the Graduate Certificate in Engineering (Environmental Engineering). Courses passed for the Graduate Certificate will then be counted for the Graduate Diploma.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma an applicant who does not qualify for admission under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3 Enrolment

Each candidate's program of study must be approved by the Head of the School at enrolment each year.

4 Assessment and examinations

4.1 If a course has a Conceded Pass classification for the purpose of another award, any such course passed with this classification shall not count towards the requirements for the Graduate Diploma.

4.2 There shall be four classifications of pass in each course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

4.3 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

4.4 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

4.5 A candidate who has twice failed in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Qualification requirements

5.1 To qualify for a Graduate Diploma in Engineering (Environmental Engineering) a candidate shall satisfactorily complete all courses from Group A in 5.6 below plus courses from Group B in 5.6 below to a value of at least 21 units.

5.2 The courses presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Diploma or already counted towards another qualification.

5.3 Should any course in Group A be covered by 5.2 above then a course/s with an equivalent units value from Group B may be substituted with the approval of the Head of School.

5.4 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses prior to the commencement of their Diploma studies as may be deemed appropriate by the Head of the School. No academic credit toward the Diploma will be awarded for such studies.

5.5 To complete a program of study in a course a candidate shall, unless exempted by the Head of the School offering the course:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*

(b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the School offering the course may prescribe.

5.6 Academic program

The following shall be courses for the Graduate Diploma in Engineering (Environmental Engineering).

Group A - Compulsory Course

C&ENVENG 5064 Environmental Engineering and Design III	3

Group B - Elective Courses

CHEM ENG 5000 Transport Processes in the Environment	2
C&ENVENG 5061 Environmental Science and Policy	2
C&ENVENG 5066 Advanced Engineering Hydrology and Design	3
C&ENVENG 5067 Advanced Water Distribution Systems and Design	3
C&ENVENG 5068 Advanced Water Resources Management and Design	3
C&ENVENG 5069 Advanced Water Resources Planning and Design	3
C&ENVENG 5070 Special Topics in Water Engineering IV N	3
C&ENVENG 5071 Special Topics in Management and Planning IV N	3
C&ENVENG 5072 Environmental Auditing & Design	3
C&ENVENG 5074 Groundwater Resources, Contamination and Design	3
C&Enveng 5075 Numerical Methods in Environmental Engineering	3
C&ENVENG 5078 Introduction to Environmental Law N	3
ECON 5000 Environmental Economics E	3
C&ENVENG 7027 Wastewater Engineering and Design	3
C&ENVENG 7028 Waste Management Analysis & Design	3
C&ENVENG 7029 Environmental Processes, Modelling and Design	3

5.7 Transfer from Graduate Certificate

A candidate who holds the Graduate Certificate in Engineering (Environmental Engineering) shall surrender the Graduate Certificate before being awarded the Graduate Diploma.

5.8 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Engineering (Fuels, Combustion and Emission Control)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Graduate Diploma shall be completed in not less than two semesters and not more than four semesters of full-time study, or not less than four and not more than eight semesters of part-time study.

2 Admission

2.1 Except as provided for in 2.2 below, an applicant for admission to the program for the Graduate Diploma shall:

(a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in clause 2.1.(a) above *or*

(c) have qualified in the University of Adelaide for the degree of Bachelor of Engineering or Bachelor of Science, or for an award accepted by the Faculty as being equivalent to one of those degrees, and have in addition successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

2.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Graduate Diploma, a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status or exemption

A candidate may not present for credit towards the Graduate Diploma any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

2.4 Articulation with other awards

Notwithstanding these Academic Program Rules, a candidate who has been enrolled for the degree of Master of Engineering (Fuels, Combustion & Emission Control), who as such a candidate has completed the work prescribed herein for the Graduate Diploma and who has not been awarded the Master degree, shall on written application be awarded the Graduate Diploma, subject to the student discontinuing candidature for the degree of Master of Engineering (Fuels, Combustion & Emission Control).

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom by the Faculty.

3.4 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for a Graduate Diploma in Engineering (Fuels, Combustion and Emission Control) a candidate shall satisfactorily complete all courses in Group A plus courses from Group B below, to the total value of at least 24 units.

Notes

1 Each year the School of Chemical Engineering shall determine which of the elective courses in Group B will be offered and in which semester they will be offered.

2 With approval from the Head of School of Chemical Engineering, a student may undertake a limited number of courses offered by other schools or faculties, or by other institutions, to replace some of the elective courses in Group B.

4.2 Academic program

Group A: Core courses

CHEM ENG 5008 Combustion Heat Transfer	2
CHEM ENG 5013 Fuel and Combustion Technology	2
CHEM ENG 5016 Instrumentation and Control for Combustion Processes	2
CHEM ENG 5017 Introduction to Combustion Phenomena	3
CHEM ENG 6006 Chemical Reactions and Pollutant Formation	2
CHEM ENG 6009 Fuels and Combustion Laboratory Projects II	5
CHEM ENG 6010 Fuel and Combustion Seminars	2

Group B: Elective course

General

CHEM ENG 5009 Combustion for High Temperature Processing	2
CHEM ENG 5010 Combustion Plant Safety and Management	2
CHEM ENG 6002 Combustion Emission Control	2
CHEM ENG 6005 Introduction to Combustion Aerodynamics	2

Coal

CHEM ENG 5006 Coal Combustion in Furnaces	2
CHEM ENG 5007 Coal Conversion Processes other than Combustion	2
CHEM ENG 6007 Coal Properties and Characterisation	2

Gas and Oil

CHEM ENG 5019 Oil and Gas Combustion Technology	2
CHEM ENG 6008 Energy Management & Conversion	2

4.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Engineering (Radio Frequency Engineering)

Note: Postgraduate tuition fees apply to this program. It is not expected that there will be an intake into the program in 2005.

Academic Program Rules

1 Duration of program

The program for the Graduate Diploma shall be offered on a part-time basis only. It is expected that candidates will be able to complete the program in a minimum of six semesters of part-time study.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program for the Graduate Diploma shall:

(a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering at the University of Adelaide.

2.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Graduate Diploma, a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status or exemption

A candidate may not present for credit towards the Graduate Diploma any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

2.4 Articulation with other awards

Notwithstanding these Academic Program Rules, a candidate who has been enrolled for the degree of Master of Engineering (Radio Frequency Engineering) who as such a candidate has completed the work prescribed herein for the Graduate Diploma and who has not been awarded the Masters degree, shall on written application be awarded the Graduate Diploma, subject to the student discontinuing candidature for the degree of Master of Engineering (Radio Frequency Engineering).

3 Assessment and examinations

3.1 There shall be four classifications of pass in each core course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. The Directed Readings shall be assessed on a satisfactory/unsatisfactory basis.

3.2 A candidate shall not be eligible to attend for examination where relevant unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for a Graduate Diploma in Engineering (Radio Frequency Engineering) a candidate shall satisfactorily complete the courses listed below, to the total value of 24 units:

Core courses

ELEC ENG 6000 Antennas and Propagation	3
ELEC ENG 6001 CAD of RF Circuits and Systems	3
ELEC ENG 6002 Introduction to RF Design	4

ELEC ENG 6005 RF Measurements and Testing	3
ELEC ENG 6006 Transmission Lines and Waveguides	3

Directed readings

ELEC ENG 6003 Readings in RF Engineering 2	4
ELEC ENG 6004 Readings in RF Engineering 1	4

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Engineering (Structural Engineering)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of full-time study extending over at least one year or its part-time equivalent. Except with the permission of the Faculty the work for the Graduate Diploma shall be completed within three years.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program of study for the Graduate Diploma shall:

(i) have qualified for the degree of Bachelor of Engineering (Civil & Environmental) of the University of Adelaide *or*

(ii) hold a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to the degree of Bachelor of Engineering (Civil & Environmental) of the University of Adelaide *or*

(iii) have been admitted to the program of study for the Graduate Certificate in Engineering (Structural Engineering). Courses passed for the Graduate Certificate will then be counted for the Graduate Diploma.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma an applicant who does not qualify for admission under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status and exemption

A candidate who desires that examinations which he or she has passed in the University or elsewhere be counted for the Graduate Diploma in Engineering (Structural Engineering) may on written application be granted such exemption from the requirements of these rules as the Faculty may determine. Otherwise, no course counted for any other award of this University or other institution shall be counted as part of the requirements for the Graduate Diploma.

3 Enrolment

Each candidate's program of study must be approved by the Head of the School at enrolment each year.

4 Assessment and examinations

4.1 There shall be four classifications of pass in each course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a course has a Conceded Pass classification for the purpose of another award, any such course passed with this classification shall not count towards the requirements for the Graduate Diploma.

4.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

4.3 A candidate who fails (or obtains a conceded pass) in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

4.4 A candidate who has twice failed or obtained conceded passes in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Qualification requirements

5.1 To qualify for the Graduate Diploma in Engineering (Structural Engineering) a candidate shall satisfactorily complete all courses from Group A below plus courses from Group B to a value of at least 12 units.

5.2 The courses presented shall not include any course which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Diploma or already counted towards another qualification.

5.3 Should any course in Group A be covered by 5.2 above then course(s) with an equivalent units value from Group B may be substituted with the approval of the Head of School.

5.4 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses prior to the commencement of their Diploma studies as may be deemed appropriate by the Head of the School. No academic credit toward the Diploma will be awarded for such studies.

5.5 To complete a program of study in a course a candidate shall, unless exempted by the Head of the School offering the course:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*

(b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the School offering the course may prescribe.

5.6 Academic program

The following shall be courses for the Graduate Diploma in Engineering (Structural Engineering):

Group A - Compulsory Courses

C&ENVENG 5062 Structural Design III (Concrete)	3
C&ENVENG 5063 Structural Design III (Steel)	3
C&ENVENG 6020A/B Advanced Structural Investigation	6

Group B - Elective Courses

C&ENVENG 5056 Computer Methods of Structural Analysis and Design	3
C&ENVENG 5059 Special Topics in Structural Engineering IV N	3
C&ENVENG 7032 Design of Composite Structures	3
C&ENVENG 7033 Earthquake Engineering & Design	3
C&ENVENG 7041 Fundamental Steel Design	3
C&ENVENG 7042 Design of Concrete Structures N	3

5.7 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Mathematical Science

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of full-time study extending over at least one year or of part-time study extending over at least two years. Except with the permission of the Faculty, the work for the Graduate Diploma shall be completed within four years.

2 Admission

2.1 Except as provided for in 2.2 an applicant for admission to the program of study for the Graduate Diploma shall:

(a) have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.

(b) have obtained the approval of the Faculty of Engineering, Computer and Mathematical Sciences.

2.2 Subject to the approval of the Council the Faculty may, in special cases subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a university but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails to pass in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Faculty fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete work to the value of at least 24 units, of which 18 units must be from studies within Applied Mathematics, Pure Mathematics and/or Statistics. Of these 18 units at least 12 units must be chosen from the following:

(a) Level III courses in Applied Mathematics, Pure Mathematics and Statistics

(b) Courses listed in 5.3.1 (c) for the degree of Master of Mathematical Science

(c) Project option.

This option may comprise up to 4 units of the work for the award. The topics and level of such project work will be decided in consultation with a supervisor appointed by the Faculty. The project options are:

APP MTH 6001 Applied Mathematics Diploma Project A	4
APP MTH 6010 Applied Mathematics Diploma Project B	2
PURE MTH 6007 Pure Mathematics Diploma Project A	4
PURE MTH 6000 Pure Mathematics Diploma Project A	2
STATS 6012 Statistics Diploma Project A	4
STATS 6013 Statistics Diploma Project B	2

In addition to courses listed in (a), (b) and (c), courses may be chosen from:

(d) those listed in the Calendar for any degree of the University approved for the purpose by the Faculty. Such courses must not comprise more than 8 units of Level II studies and must be approved as relevant to the program of study by the Postgraduate Coordinator.

4.2 Formal approval of enrolment must be obtained from the Program Coordinator.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

textbooks

Information on appropriate textbooks will be provided by the relevant school and at the preliminary lecture in Orientation Week.

examinations

Details of these are made available at the relevant lectures during orientation week.

assumed knowledge

Applicants for the Graduate Diploma will be expected to have a knowledge of mathematics equivalent to that which would be obtained by passing 4 level II courses offered by the Schools of Applied and Pure Mathematics (ie. 8 units).

The Faculty offers the Graduate Diploma in Mathematical Science as a full-time or part-time program to cater for a number of different demands:

(a) It is designed for graduates with some mathematical training who wish to extend their mathematical knowledge for professional (eg. teachers) or other reasons. The Graduate Diploma allows a flexible program to suit the background of the individual. Thus it may

  (i) extend a modest knowledge of mathematics to say the level attained by a graduate with a degree of Bachelor of Mathematical and Computer Sciences *or*

  (ii) at the other extreme provide a program comparable to the level of the Honours degree.

(b) Graduates of a University or other institution who have an interest in proceeding to research in some area of the mathematical sciences but lack the preparation necessary may enrol for the Graduate Diploma in Mathematical Science with the view to gaining the background to begin a program at the Masters level either by coursework or by research.

Graduates wishing to enrol may consult the Program Coordinator for details of the courses offered preferably in the December of the year preceding their enrolment.

The program is normally one year of full-time study or two years part-time. The Graduate Diploma requires a satisfactory performance in approved courses totalling 24 units. Provision is made in the schedules for candidates to remedy deficiencies in preparation through inclusion of courses at level II. Up to 4 units may be in the form of supervised project work. Students will be allocated a supervisor at the time of enrolment.

Graduate Diploma in Science and Technology Commercialisation

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

The Graduate Diploma can be completed in one year or participants can study at their own pace provided the eight courses are completed within 4 years.

2 Admission

2.1 An applicant for admission to the program for the Graduate Diploma in Science and Technology Commercialisation shall have qualified for the degree of the University or another institution accepted by the University for the purpose as equivalent, shall have had at least 5 years approved professional work experience, and shall have demonstrated to the satisfaction of the University to have the capacity and experience to benefit from the program.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

With the exception of the Graduate Certificate in Science and Technology Commercialisation (see 2.4 below), candidates who have previously passed courses in postgraduate awards or equivalent at the University of Adelaide or another university and who wish to count such courses towards the Graduate Diploma in Science and Technology Commercialisation may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of six (6) units.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Graduate Certificate in Science and Technology Commercialisation and who wishes to count courses presented for the Graduate Certificate toward the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma in Science and Technology Commercialisation.

2.4.2 A candidate for the degree of Master of Science and Technology Commercialisation who satisfies the requirements for Graduate Diploma but who does not complete the requirements for the Masters degree may be admitted to the Graduate Diploma in Science and Technology Commercialisation.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass. The Diploma Project shall be assessed on a Satisfactory/Unsatisfactory basis.

3.2 A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails a course and wishes to repeat that course, shall, unless exempted partially therefrom by the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3.4 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units of which at least 18 units are core courses.

4.1.1 Core courses

TECHCOMM 5001 Marketing Technological Innovation	3
TECHCOMM 5002 Managing Product Design and Development	3

TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5005 Financing Commercialisation	3
TECHCOMM 5006 Technology Management and Transfer	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5008 Leading and Managing	3
TECHCOMM 5011 Internationalisation of Technology	3

4.1.2. Elective courses

TECHCOMM 5004 Managing Risk	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5012 Integrated Logistics Support	3
TECHCOMM 5021 Applied Project Management 1	3

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Sciences (Defence)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with permission of the Board of Studies, the program for the Graduate Diploma in Sciences (Defence) shall be completed in two semesters of full-time study, or up to eight semesters of part-time study.

2 Admission requirements

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall:

(a) have qualified for a degree from the University of Adelaide in a discipline related to the proposed field of study

(b) have qualified for an award accepted by the Board of Studies as being equivalent to a degree from the University of Adelaide in a discipline related to the proposed field of study *and*

(c) shall have had at least 18 months' employment experience in a defence-related industry.

2.2 The Board of Studies may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the award of Graduate Diploma in Sciences (Defence), a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Board of fitness to undertake work for the degree.

2.3 Status or exemption

A candidate may not present for credit towards the award any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma in Sciences (Defence): Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. Courses passed with a conceded pass classification may not be counted towards the requirements for the award of Graduate Diploma in Sciences (Defence).

3.2 To satisfy the requirements of the Diploma, a candidate must obtain a weighted average taken over the best results in eligible courses which together amount to the required number of units, of at least 55%.

3.3 A candidate shall not be eligible to attend for examination unless any prescribed coursework has been completed to the satisfaction of the teaching staff concerned.

3.4 A candidate who fails in a course and desires to take the course again shall again attend the course and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Board of Studies for such exemption.

3.5 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Board of Studies and then only under such conditions as may be prescribed.

3.6 For the purpose of this Rule, a candidate who is refused permission to sit for the assessment for a given course, or who without a reason accepted by the Convenor of the Board of Studies (or nominee) fails to attend all or part of the assessment, shall be deemed to have failed that course.

4 Qualification requirements

4.1 To qualify for the award of Graduate Diploma in Sciences (Defence), a candidate shall satisfactorily complete courses from the following list to a total value of at least 24 units. These must include the two core courses from Group A to the value of 6 units.

4.2 Candidates may present courses offered by other universities from a register of approved courses maintained by the Board of Studies, but the total value of these external courses must not exceed 9 units (including the core courses in Group A).

Candidates must have their proposed program of studies approved by the Convenor of the Board of Studies or nominee at enrolment.

Group A : Core courses

Both of these courses are offered by the University of South Australia

Research Methods in a Multidisciplinary Environment	3
Systems Engineering for Complex Problem Solving	3

Group B : Defence Technology Stream

DEFSCI 7004 Aerospace Navigation & Guidance	3
DEFSCI 7005 Principles of Control Systems	3
DEFSCI 7006 Antennas and Propagation	3
DEFSCI 7007 Principles of RF Engineering	3
DEFSCI 7008 RF Measurements and Testing	3
DEFSCI 7018 Electromagnetism IIID	3
DEFSCI 7203 Photonics IV-D	3
DEFSCI 7204 Photonics III-D	3
DEFSCI 7205 Experimental Methods IV-D	3
DEFSCI 7206 Physical Optics III-D	3

Note: special conditions apply to choosing courses with a Photonics theme. There is a preferred sequence within these courses, and candidates should seek guidance on their enrolment pattern. Electromagnetics III contains material which is assumed knowledge in the remaining courses, and should be taken by candidates without this specialist undergraduate Physics background. From time to time further Photonics options may also become available.

Group C : Information and Communication Technology Stream

DEFSCI 7000 Cognitive Science: Minds, Brains and Computers	3
DEFSCI 7001 Decision Making in a Real Environment	3
DEFSCI 7002 Distributed Systems	3
DEFSCI 7003 Artificial Intelligence	3
DEFSCI 7013 Knowledge Representation	3
DEFSCI 7014 Parallel Computation	3

The availability of all elective courses is conditional on the availability of staff and facilities and sufficient enrolments.

Other relevant courses may be presented towards the requirements of the Graduate Diploma in Sciences (Defence) with the written approval of the Convenor of the Board of Studies.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of Board of Studies, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the Board of Studies special circumstances exist, the Council, on the recommendation of the Board in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Sciences (Defence Signal Information Processing)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

A candidate shall:

(a) complete any preliminary work which may be prescribed

(b) satisfactorily complete a program of study extending over at least one year.

2 Admission

2.1 Except as provided for in 2.2 an applicant for admission to the program of study for the Graduate Diploma shall have qualified for an Honours award in Mathematics, Physics or in Electrical and Electronic Engineering; or a Bachelor award that includes a major in either Mathematics or Physics, or for an equivalent degree accepted for the purpose by the University, plus some experience in the Defence industry.

2.2 The Board of Studies may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 2.1 but who has given evidence satisfactory to the Board of fitness to undertake work for the degree.

2.3 Articulation with other awards

2.3.1 A candidate who has been enrolled for the Graduate Certificate in Signal Information Processing at the University of Adelaide and who has not been awarded the Graduate Certificate shall, on written application, be permitted to transfer all equivalent courses towards the Diploma degree.

2.3.2 A candidate who holds the Graduate Certificate in Signal Information Processing from the University of Adelaide shall surrender the Graduate Certificate before being awarded the Graduate Diploma.

2.4 Credit Transfer

2.4.1 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

2.4.2 Candidates may present courses offered by other universities from a register of approved courses maintained by the Board of Studies, but the total value of these external courses must not exceed 6 units under 4.2.1 (i) and 3 units under 4.2.1(ii) and (iii) of the Academic Program Rules.

3 Assessment and examination

3.1 Review of academic progress

If in the opinion of the Board of Studies a candidate for the degree is not making satisfactory progress, the Faculty may terminate the candidature.

4 Qualification requirements

4.1 To qualify for the degree a candidate shall:

(a) comply with conditions as prescribed in the Academic Program Rules;

(b) satisfy examiners in courses of study as prescribed in the Academic Program Rules;

(c) do such written and practical work as may be prescribed, and satisfactorily complete a total of at least 24 units as defined in 5.2.

4.2 Academic program

4.2.1 The program of study and project work to the value of at least 24 units shall consist of:

(i) Compulsory courses

Systems Engineering for Complex Problem Solving	3
Research Methods in a Multidisciplinary Environment	3

(ii) courses to the value of at least 12 units selected from:

SIP7002 Kalman Filtering and Tracking	3
SIP 7005 Multisensor Data Fusion	3
SIP7007 Image Processing	3
SIP7012 Detection, Estimation and Classification	3
SIP7013 Introduction to Discrete Linear Systems	3
SIP 7024 Adaptive Signal Processing	3
SIP 7025 Beamforming and Array Processing	3

(iii) courses to the value of at least 6 units selected from either:

(a) courses listed in 5.2.1 (ii) *or*

(b) from the following courses

SIP7001 Information Theory	3
SIP7003 Error Control Coding	3
SIP7004 Mobile Communications	3
SIP7009 Speech Processing	3
SIP7011 Signal Processing Applications	3
SIP7015 Signal Synthesis and Analysis	3
SIP7017 Specialised Studies A	3
SIP7018 Specialised Studies B	3
SIP7019 Specialised Studies C	3
SIP7020 Specialised Studies D	3
SIP 7023 Satellite Communications	3
SIP 7026 Mathematical Coding and Cryptology	3

Specialised Studies may consist of directed readings or approved short courses as approved by the Faculty. The content and assessment of these courses will be determined in each case by the academic coordinator of the course in consultation with the student's supervisor and the student.

(c) other relevant courses as approved by the Board of Studies from other postgraduate programs of the University.

4.2.2 Students who are required to undertake preliminary work will normally enrol in one of the following courses:

SIP 7027A/B Qualifying Studies in Mathematics Part 1 & 2	24
SIP 7028 Qualifying Studies in Mathematics	12

On satisfactory completion of this work the student will proceed to study as outlined in 5.2.1 above.

4.2.3 Candidates who are granted exemption from one or more of the courses listed in 5.2.1 (ii) on the basis of previous studies may select in their place other relevant courses offered by the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Board of Studies.

4.2.4 The availability of all courses is conditional on there being adequate staffing and resources.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the Board of Studies special circumstances exist, the Board in each case may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the program coordinator early in the year in which the program is being offered regarding the content of the specific courses that are to be offered in that year.

textbooks

Information on appropriate textbooks will be provided by the course coordinator at the commencement of each course.

examinations

For each course students may obtain from the course coordinator details of the examination in that course including the relevant weight given to the components (eg. such as the following as are relevant: assessments, semester or mid-semester tests, essays or other written or practical work, final written examinations, viva voce examinations).

Master of Applied Science

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 In addition to General Academic Program Rule 5.1 on Admission, applicants for admission to candidature for the Master of Applied Science must hold:

(a) an Honours degree of Bachelor of Science, Applied Science or Agricultural Science *or*

(b) a qualification accepted by the Board of Research Education and Development as being equivalent to the Honours degree of Bachelor of Science, Applied Science or Agricultural Science *or*

(c) a degree of Bachelor of Science, Applied Science or Agricultural Science or a qualification accepted by the Board as being equivalent. Candidates admitted under this Rule may not be awarded the degree before the expiration of two years from the date of qualification for candidature and will be required to undertake qualifying work as specified in General Program Rule 5.2.

2.2 Mode of study

Further to General Academic Program Rule 4.1, subject to such conditions as it may determine in each case, the Board of Research Education and Development may permit project work to be undertaken outside the University provided that it can be satisfied:

(a) that this will result in mutual academic benefit to the candidate and the candidate's supervising school

(b) that there will be adequate contact and interaction between the candidate and the candidate's supervising school *and*

(c) that the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

2.3 Program of Study

In addition to General Academic Program Rule 17.1, a program of study for the Master of Applied Science may contain a combination of coursework and project work. Currently two options are offered.

To qualify for the degree, a candidate shall satisfactorily complete a program of study consisting of one of the following approved options:

(a) an all-research work program comprising Supervised Project Work to be completed and the thesis submitted not less than one year full-time equivalent or more than two years full-time equivalent from the date of commencement of candidature *or*

(b) a three-quarters research program comprising coursework to the value of 12 units and Supervised Project Work. All coursework is to be completed and the thesis submitted not less than one year full-time equivalent or more than two years full-time equivalent from the date of commencement of candidature.

2.4 Classification of courses

Courses forming part of any coursework component for the degree shall be classified as follows:

Group A: Postgraduate courses

These are courses offered at a postgraduate level either in the Faculty of Engineering, Computer and Mathematical Sciences, in another faculty or school, or at another Institution. These include postgraduate courses in the Faculty of Engineering, Computer and Mathematical Sciences, Honours and approved postgraduate diploma courses in the Faculty of Sciences and postgraduate courses at Flinders University or the University of South Australia.

Group B: Advanced level courses

These are courses in Engineering which have been designated as 'Advanced Level' by the School concerned. They are courses which reach an advanced level of expertise in the course material.

Subject to the approval of the Faculty, courses from outside Engineering may also be included in this category.

Group C: Ordinary level courses

These are courses at either Level III or Level IV in the Faculty of Engineering, Computer and Mathematical Sciences which are not designated 'Advanced Level', or courses at Level III in the Faculty of Sciences, or approved final year undergraduate courses from other Faculties or institutions.

2.5 Coursework requirements

2.5.1 A candidate seeking to enrol in a program of study with a coursework component shall, after consulting the Head of the school (or nominee) in which the majority of the candidate's work falls, submit the proposed program to the Faculty for approval.

2.5.2 The program for a three-quarters research and one-quarter coursework degree may not contain more than a total of 6 units of courses from Groups B and C and may not contain more than 6 units of courses from outside the discipline of Engineering.

* For the purposes of this policy, the discipline of Engineering is deemed to include all Centres and joint ventures of which the discipline, or its constituent schools, is a formal partner.

2.5.3 There shall be four classifications of pass in each course for the Master of Applied Science: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a course has a Conceded Pass classification for the purpose of another award, any such course passed with this classification shall not count towards the requirements for the degree of Master of Applied Science.

2.5.4 A course shall be eligible to be counted for credit towards the coursework requirements of the degree if:

(a) In Groups A and B the grade obtained is at Pass standard (50%) or higher

(b) In Group C the grade obtained is 60% or higher.

2.5.5 To satisfy the coursework requirements of the degree, a candidate must obtain a weighted average, taken over the best results in eligible courses which together amount to the required number of units, of at least 55%.

2.5.6 Courses which have been presented as part of the requirements for any other award of this University or other institution or courses which in the opinion of the Faculty are substantially similar to such courses, will not be permitted to count for credit towards the coursework requirements of this degree.

2.6 Courses of study

The courses of study for the Master of Applied Science are the same as those for the Master of Engineering Science.

Master of Computer Science

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

A candidate who fulfils the foregoing requirements shall on the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences be admitted to the degree of Master of Computer Science.

2 Duration of program

A candidate may proceed to the degree by full-time study or, with the approval of the School of Computer Science and subject to any conditions imposed in the particular case, by part-time study or as an external student. Except by permission of the Faculty, the work for the degree shall be completed:

(a) in the case of a full-time candidate, not less than two years from the date of candidature accepted by the Faculty

(b) in the case of a part-time or external candidate, not less than four years from the date of candidature accepted by the Faculty

(c) in the case of a candidate with an Honours degree in Computer Science, or equivalent, in not less than one year of full-time study or two years of part-time study.

3 Admission

3.1 The Faculty may accept as a candidate for the degree any person who has completed one of the following at the University of Adelaide:

Graduate Diploma in Computer Science

A bachelor degree that includes a major in Computer Science.

3.2 The Faculty may accept as a candidate for the degree any person who has completed studies at another institution where those studies are accepted by the University as equivalent to studies specified in 3.1 above.

3.3 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 3.1, but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

4 Assessment and examination

4.1 Review of academic progress

If in the opinion of the Faculty a candidate for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the degree.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

(a) satisfy examiners in courses of study as prescribed in the Academic Program Rules

(b) comply with conditions as prescribed in the Academic Program Rules *and*

(c) present a satisfactory written report and seminar on a supervised project on a course approved by the School of Computer Science.

5.2 Academic program

Note: intending students should consult the School of Computer Science early in the year in which they plan to study in order to ascertain whether particular courses will be available in that year, in which semester they will be taught and their precise content.

5.2.1 A candidate for the degree shall complete satisfactorily a total of at least 48 units.

5.2.2 A candidate for the degree shall regularly attend lectures and tutorials, do such written and practical work as may be prescribed, and pass examinations in at least twelve courses offered by the School of Computer Science at the Honours or Masters level. Other courses may be included, subject to the approval of the Head of the School. Courses which may be offered by the School of Computer Science are:

COMP SCI 7000 Advanced Database B	3
COMP SCI 7004 Advanced Operating Systems A	3
COMP SCI 7005 Advanced Artificial Intelligence D	3
COMP SCI 7006 Programming Techniques	3
COMP SCI 7007 Advanced Software Engineering B	3
COMP SCI 7008 Advanced Numerical Analysis D	3
COMP SCI 7009 Advanced Artificial Intelligence B	3
COMP SCI 7010 Advanced Database A	3
COMP SCI 7012 Advanced Computer Architecture C	3

COMP SCI 7014 Advanced Database D	3
COMP SCI 7015 Software Engineering and Project	3
COMP SCI 7016 Advanced Artificial Intelligence C	3
COMP SCI 7018 Advanced Programming Languages C	3
COMP SCI 7021 Advanced Programming Languages D	3
COMP SCI 7022 Advanced Artificial Intelligence A	3
COMP SCI 7023 Advanced Software Engineering C	3
COMP SCI 7026 Computer Architecture	3
COMP SCI 7028 Advanced Computer Architecture B	3
COMP SCI 7030 Advanced Numerical Analysis A	3
COMP SCI 7031 Advanced Programming Paradigms	3
COMP SCI 7033 Advanced Computer Architecture D	3
COMP SCI 7034 Advanced Computer Architecture A	3
COMP SCI 7035 Advanced Programming Languages B	3
COMP SCI 7036 Advanced Software Engineering D	3
COMP SCI 7037 Advanced Programming Languages A	3
COMP SCI 7039 Computer Networks and Applications	3
COMP SCI 7040 Advanced Programming Languages E	3
COMP SCI 7041 Compiler Construction and Project	3
COMP SCI 7044 Advanced Operating Systems B	3
COMP SCI 7045 Advanced Operating Systems D	3
COMP SCI 7047 Advanced Database C	3
COMP SCI 7048 Advanced Numerical Analysis B	3
COMP SCI 7050 Parallel Computation	3
COMP SCI 7053 Advanced Operating Systems C	3
COMP SCI 7054 Advanced Software Engineering A	3
COMP SCI 7055 Numerical Analysis	3
COMP SCI 7059 Artificial Intelligence	3
COMP SCI 7064 Operating Systems	3
COMP SCI 7072 Advanced Numerical Analysis C	3
COMP SCI 7089 Event Driven Computing	3
COMP SCI 7090 Computer Graphics	3

5.2.3 A candidate shall also satisfactorily undertake and complete at least five Masters Project courses, under the guidance of a supervisor, and provide a public seminar and written report on the investigation. The Masters Project courses are:

COMP SCI 7011 Master Project B	3
COMP SCI 7013 Master Project E	3
COMP SCI 7019 Master Project C	3
COMP SCI 7025 Master Project D	3
COMP SCI 7052 Master Project H	3
COMP SCI 7056 Master Project A	3
COMP SCI 7060 Master Project F	3
COMP SCI 7063 Master Project G	3

5.2.4 In the case of a candidate with an Honours degree in Computer Science, the number of units required for the award of the Master's degree may be reduced, subject to permission of the Faculty.

5.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the School early in the year in which the program is being offered to obtain advice as to the content of the program. The field of study of the project can also be determined at that time.

Master of Engineering (Chemical Engineering)
Master of Engineering (Civil Engineering)
Master of Engineering (Electrical Engineering)
Master of Engineering (Engineering Mathematics)
Master of Engineering (Environmental Engineering)
Master of Engineering (Mechanical Engineering)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

The Master of Engineering shall be available in the disciplines of:

(Chemical)

(Civil)

(Electrical)

(Engineering Mathematics)

(Environmental)

(Mechanical).

2 Duration of program

Except with permission of the Faculty, the program for the Master of Engineering shall be completed in two semesters of full-time study, or up to eight semesters of part-time study.

3 Admission

3.1 Except as provided for in 3.2 below, an applicant for admission to the program shall:

(a) have qualified for the degree of Bachelor of Engineering with Honours from the University of Adelaide in a discipline related to the proposed field of study

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to the degree of Bachelor of Engineering with Honours in a discipline related to the proposed field of study.

3.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the degree of Master of Engineering, a person who does not qualify 3.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

3.3 Status or exemption

A candidate may not present for credit towards the degree any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

4 Assessment and examinations

4.1 There shall be four classifications of pass in any course for the Master of Engineering: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. Courses passed with a Conceded Pass classification may not be counted towards the requirements for the degree of Master of Engineering.

4.2 To satisfy the requirements of the degree, a candidate must obtain a weighted average taken over the best results in eligible courses which together amount to the required number of units, of at least 55%.

4.3 A candidate shall not be eligible to attend for examination unless any prescribed coursework has been completed to the satisfaction of the teaching staff concerned.

4.4 A candidate who fails in a course and desires to take the course again shall again attend the course and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

4.5 A candidate who has twice failed any course may not enrol for that course again except by special permission of the

Faculty and then only under such conditions as may be prescribed.

4.6 For the purpose of this Rule, a candidate who is refused permission to sit for the assessment for a given course, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of the assessment, shall be deemed to have failed that course.

5 Qualification requirements

5.1 To qualify for the degree of Master of Engineering, a candidate shall satisfactorily complete courses to a total value of at least 24 units including core courses from Group A to the value of 9 units and elective courses from Group B in one of the specified disciplines, to a value of at least 12 units. No more than 3 units can be selected from the Management electives under Group B.

Candidates must have their program of studies approved by the Head of School or nominee at enrolment.

5.2 Academic program

Group A: Core courses

ENTRSHIP 5021 Applied Project Management I	3
STATS 7053 Statistics in Engineering	3
and either	
APP MTH 7054 System Modelling & Simulation	3
or	
COMP SCI 7077 System Modelling & Simulation	3

Group B: Elective courses

Management

No more than 3 units selected from:

ENTRSHIP 5008 Leading and Managing	3
ENTRSHIP 5021 Commercialisation: Process and Strategy	3
PETROENG 7045 Decision Risk Analysis	3

Chemical Engineering

CHEM ENG 7000 Minerals Processing	3
CHEM ENG 7004 Biochemical Engineering	3
CHEM ENG 7005 Reaction Engineering	3
CHEM ENG 7007 Particulate Technology	3
CHEM ENG 7008 Combustion Processes	3
CHEM ENG 7009 Plant & Safety Engineering	3
CHEM ENG 7010W Winery Engineering	3
CHEM ENG 7011 Industrial Rheology	3
CHEM ENG 7012 Environmental Engineering	3
CHEM ENG 7021 Special Studies in Chemical Engineering	3
CHEM ENG 7022 Chemical Engineering Management and Optimisation	3
CHEM ENG 7023 Chemical Process & Simulation	3
CHEM ENG 7024 Process Synthesis & Integration	3
CHEM ENG 7026 Process Design Project	6
CHEM ENG 7027 Transport Processes in the Environment	3
CHEM ENG 7030 Process Modelling and Control	3

Civil Engineering

C&ENVENG 7032 Design of Composite Structures	3
C&ENVENG 7033 Earthquake Engineering & Design	3
C&ENVENG 7034 Foundation Engineering & Design	3
C&ENVENG 7035 Footing Design & Soil Variability	3
C&ENVENG 7036 Water Resources Management & Design	3
C&ENVENG 7037 Water Distribution Systems & Design	3
C&ENVENG 7038 Coastal Engineering & Design	3
C&ENVENG 7039 Special Studies in Civil Engineering	3
C&ENVENG 7041 Fundamental Steel Design	3
C&ENVENG 7042 Design of Concrete Structures N	3

Environmental Engineering

C&ENVENG 7027 Wastewater Engineering & Design	3
C&ENVENG 7028 Waste Management Analysis & Design	3
C&ENVENG 7029 Environmental Processes Modelling & Design	3
C&ENVENG 7036 Water Resources Management and Design	3
C&ENVENG 7037 Water Distribution Systems & Design	3
C&ENVENG 7038 Coastal Engineering & Design	3
C&ENVENG 7040 Special Studies in Environmental Engineering	3

Electrical Engineering

APP MTH 7026 Communication Network Design (Masters)	3
APP MTH 7056 Telecommunications Systems Modelling III	3
ELEC ENG 7015 Adaptive Signal Processing	3
ELEC ENG 7017 Beamforming & Array Processing	3
ELEC ENG 7033 Principles of RF Engineering	3
ELEC ENG 7044 Multimedia Communications	3
ELEC ENG 7045 Photonics for Communications	3
ELEC ENG 7046 Power Quality and Fault Diagnostics	3
ELEC ENG 7047 Special Studies in Electrical Engineering	3
ELEC ENG 7049 Power Electronics Systems	3

ELEC ENG 7050 Microelectronic Testing and Design for Test	3
ELEC ENG 7051 Microelectronic Datapaths and Arithmetic	3
ELEC ENG 7052 Electomagnetic Theory and RFID Applications	3
ELEC ENG 7053 Analog Microelectronic Systems	3
ELEC ENG 7054 Detection and Estimation Theory	3
ELEC ENG 7055 Antennas and Propogation	3
ELEC ENG 7056 RF Measurement and Testing	3
Engineering Mathematics	
APP MTH 7011 Transform Methods and Signal Processing	3
APP MTH 7026 Communication Network Design (Masters)	3
APP MTH 7050 Aerodynamics	3
APP MTH 7052 Computational Fluid Dynamics (Engineering)	3
APP MTH 7055 Game Theory	3
APP MTH 7056 Telecommunications Systems Modelling III	3
APP MTH 7057 Special Studies in Engineering Mathematics	3
APP MTH 7074 Modelling Telecommunication Traffic	3
ELEC ENG 7015 Adaptive Signal Processing	3
Mechanical Engineering	
APP MTH 7052 Computational Fluid Dynamics (Engineering)	3
MECH ENG 7019 Automotive Engineering	3
MECH ENG 7020 Materials Selection & Failure Analysis	3
MECH ENG 7021 Combustion Technology & Emissions Control	3
MECH ENG 7022 Fundamentals of Non-Linear Computational Mechanics	3
MECH ENG 7023 Fracture Mechanics	3
MECH ENG 7024 Robotics M	3
MECH ENG 7025 Topics in Welded Structures	3
MECH ENG 7026 Advanced Topics in Fluid Mechanics	3
MECH ENG 7027 Engineering Acoustics	3
MECH ENG 7028 Advanced Automatic Control	3
MECH ENG 7029 Airconditioning	3
MECH ENG 7030 Advanced Vibrations	3
MECH ENG 7031 Aerospace Navigation & Guidance	3
MECH ENG 7032 Introduction to Biomechanics	3

The availability of all elective courses is conditional on the availability of staff and facilities and sufficient enrolments.

Other relevant courses may be presented towards the requirements of the Master of Engineering with the approval of the Head of the relevant discipline.

5.3 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Engineering (Fuels, Combustion and Emission Control)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Master of Engineering (Fuels, Combustion and Emission Control) shall be completed in not less than three semesters and not more than six semesters of full-time study, or not less than six and not more than twelve semesters of part-time study.

2 Admission

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall:

(a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in clause 2.1.(a) above *or*

(c) have qualified in the University of Adelaide for the degree of Bachelor of Engineering or Bachelor of Science, or for an award accepted by the Faculty as being equivalent to one of those degrees, and have in addition successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

2.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the degree of Master of Engineering (Fuels, Combustion and Emission Control), a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status or exemption

A candidate may not present for credit towards the degree any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course for the Master of Engineering: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the degree of Master of Engineering (Fuels, Combustion and Emission Control), a candidate shall satisfactorily complete all courses in Group A plus courses from Group B in one of three modules below, to the total value of at least 36 units.

Notes

1 Each year the School of Chemical Engineering shall determine which of the elective courses in Group B will be offered and in which semester they will be offered.

2 With approval from the Head of School of Chemical Engineering, a student may undertake a limited number of courses offered by other Schools or Faculties, or by other institutions, to replace some of the elective courses in Group B.

4.2 Academic program

Group A: Core courses

CHEM ENG 5008 Combustion Heat Transfer	2
CHEM ENG 5013 Fuels and Combustion Technology	2
CHEM ENG 5016 Instrumentation and Control for Combustion Processes	2
CHEM ENG 5017 Introduction to Combustion Phenomena	3
CHEM ENG 6006 Chemical Reactions and Pollutant Formation	2
CHEM ENG 6009 Fuels and Combustion Laboratory Projects II	5
CHEM ENG 6010 Fuels and Combustion Seminars	2
CHEM ENG 7001 Advanced Combustion Aerodynamics	2
CHEM ENG 7002 Advanced Research/Design Projects	12

Group B: Elective courses

General

CHEM ENG 5009 Combustion for High Temperature Processing	2
CHEM ENG 5010 Combustion Plant Safety and Management	2
CHEM ENG 7003 Advanced Combustion Diagnostic Techniques	2
CHEM ENG 7019 Advanced Combustion Emission Control	2
CHEM ENG 7020 New and Alternative Fuels	2

Coal

CHEM ENG 5006 Coal Combustion in Furnaces	2
CHEM ENG 5007 Coal Conversion Processes other than Combustion	2
CHEM ENG 6007 Coal Properties and Characterisation	2

Gas and Oil

CHEM ENG 5019 Oil and Gas Combustion Technology	2
CHEM ENG 6008 Energy Management & Conversion	2

4.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Engineering (Radio Frequency Engineering)

Note: Postgraduate tuition fees apply to this program. It is not expected that there will be an intake into the program in 2004.

Academic Program Rules

1 Duration of program

The program for the Master of Engineering (Radio Frequency Engineering) shall be offered on a part-time basis only. It is expected that candidates will be able to complete the program in a minimum of six semesters of part-time study.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program shall:

(a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering at the University of Adelaide.

2.2 Subject to the approval of the Council, the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Master of Engineering (Radio Frequency Engineering), a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Master of Engineering.

2.3 Status or Exemption

A candidate may not present for credit towards the Master of Engineering any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each core course for the Master of Engineering: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. The Directed Readings and Research Project shall be assessed on a satisfactory/unsatisfactory basis.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

3.6 The Research Project shall be approved by the Head of Electrical and Electronic Engineering and be conducted under the supervision of a member of the academic staff of the University of Adelaide.

3.7 The Faculty may permit the Research Project to be undertaken outside the University provided there will be adequate contact and interaction between the candidate and the candidate's supervisor.

4 Qualification requirements

4.1 Academic program

To qualify for the Master of Engineering (Radio Frequency Engineering) a candidate shall satisfactorily complete the courses listed below, to a total value of 36 units:

4.1.1 Core courses

ELEC ENG 6000 Antennas and Propagation	3
ELEC ENG 6001 CAD of RF Circuits and Systems	3
ELEC ENG 6002 Introduction to RF Design	4

ELEC ENG 6005 RF Measurements and Testing	3
ELEC ENG 6006 Transmission Lines & Waveguides	3

4.1.2 Directed readings

ELEC ENG 6003 Readings in RF Engineering 2	4
ELEC ENG 6004 Readings in RF Engineering 1	4

4.1.3 Research project

ELEC ENG 7019 RF Engineering Research Project	12

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Engineering Science

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 In addition to General Academic Program Rule 5.1 on Admission, applicants for admission to candidature for the Master of Engineering Science must hold

(a) a degree of Bachelor of Engineering in the Honours grade from the University of Adelaide *or*

(b) a qualification accepted by the Board of Research Education and Development as being equivalent to a degree of Bachelor of Engineering in the Honours grade from the University of Adelaide *or*

(c) a degree of Bachelor of Engineering in the Pass grade or a qualification accepted by the Board as being equivalent to the degree of Bachelor of Engineering in the Pass grade from the University of Adelaide, and who has, in addition, successfully undertaken advanced studies and/or work in engineering practice which is considered by the Board to be an adequate preparation for candidature. Candidates admitted under this Rule may be required to undertake qualifying work as prescribed by the Board.

2.2 Mode of study

In addition to General Academic Program Rule 4.1, subject to such conditions as it may determine in each case, the Board of Research Education and Development may permit project work to be undertaken outside the University provided that it can be satisfied:

(a) that this will result in mutual academic benefit to the candidate and the candidate's supervising school

(b) that there will be adequate contact and interaction between the candidate and the candidate's supervising school *and*

(c) that the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

2.3 Program of Study

In addition to General Academic Program Rule 17.1, a program of study for the Master of Engineering Science may contain a combination of coursework and project work. Currently two options are offered:

To qualify for the degree, a candidate shall satisfactorily complete a program of study consisting of one of the following approved options:

(a) an all-research work program comprising Supervised Project Work be completed and the thesis submitted in not less than one year full-time equivalent or more than two years full-time equivalent from the date of commencement of candidature *or*

(b) a three-quarters research program comprising coursework to the value of 12 units and Supervised Project Work. All coursework is to be completed and the thesis submitted in not less than one year full-time equivalent or more than two years full-time equivalent from the date of commencement of candidature.

2.4 Classification of courses

Courses forming part of any coursework component for the degree shall be classified as follows:

Group A: Postgraduate courses

These are courses offered at a postgraduate level either in the Faculty of Engineering, Computer and Mathematical Sciences, in another faculty or school, or at another Institution. These include postgraduate courses in the Faculty of Engineering, Computer and Mathematical Sciences, Honours and approved postgraduate diploma courses in the Faculty of Sciences and postgraduate courses at Flinders University or the University of South Australia.

Group B: Advanced level courses

These are courses in Engineering which have been designated as 'Advanced Level' by the School concerned. They are courses which reach an advanced level of expertise in the course material.

Subject to the approval of the Faculty, courses from outside Engineering may also be included in this category.

Group C: Ordinary level courses

These are courses at either Level III or Level IV in the Faculty of Engineering, Computer and Mathematical Sciences which are not designated 'Advanced Level', or courses at Level III in the Faculty of Sciences, or approved final year undergraduate courses from other Faculties or institutions.

2.5 Coursework requirements

2.5.1 A candidate seeking to enrol in a program of study with a coursework component shall, after consulting the Head of the school (or nominee) in which the majority of the candidate's work falls, submit the proposed program to the Board for approval.

2.5.2 The program for a three-quarters research and one-quarter coursework may not contain more than a total of 6 units of courses from Groups B and C and may not contain more than 6 units of courses from outside the discipline of Engineering.

* For the purposes of this policy, the discipline of Engineering is deemed to include all Centres and joint ventures of which the discipline, or its constituent schools, is a formal partner.

2.5.3 There shall be four classifications of pass in each course for the Master of Engineering Science: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a course has a Conceded Pass classification for the purpose of another award, any such course passed with this classification shall not count towards the requirements for the degree of Master of Engineering Science.

2.5.4 A course shall be eligible to be counted for credit towards the coursework requirements of the degree if:

(a) in Groups A and B the grade obtained is at Pass standard (50%) or higher

(b) in Group C the grade obtained is 60% or higher.

2.5.5 To satisfy the coursework requirements of the degree, a candidate must obtain a weighted average, taken over the best results in eligible courses which together amount to the required number of units, of at least 55%.

2.5.6 Courses which have been presented as part of the requirements for any other award of this University or other institution or courses which in the opinion of the Faculty are substantially similar to such courses, will not be permitted to count for credit towards the coursework requirements of this degree.

2.6 Academic program

The following shall be the courses for the Master of Engineering Science:

Group A: Postgraduate courses

Chemical Engineering

CHEM ENG 7000 Minerals Processing	3
CHEM ENG 7004 Biochemical Engineering	3
CHEM ENG 7005 Reaction Engineering	3
CHEM ENG 7007 Particulate Technology	3
CHEM ENG 7008 Combustion Processes	3
CHEM ENG 7009 Plant & Safety Engineering	3
CHEM ENG 7010W Winery Engineering	3
CHEM ENG 7011 Industrial Rheology	3
CHEM ENG 7012 Environmental Engineering	3
CHEM ENG 7021 Special Studies in Chemical Engineering	3
CHEM ENG 7022 Chemical Engineering Management and Optimisation	3
CHEM ENG 7023 Chemical Process & Simulation	3
CHEM ENG 7024 Process Synthesis & Integration	3
CHEM ENG 7026 Process Design Project	3
CHEM ENG 7027 Transport Processes in the Environment	3
CHEM ENG 7030 Process Modelling and Control	3

Civil & Environmental Engineering

C&ENVENG 7027 Wastewater Engineering & Design	3
C&ENVENG 7028 Waste Management Analysis & Design	3
C&ENVENG 7029 Environmental Processes, Modelling & Design	3
C&ENVENG 7030 Steel Design	3
C&ENVENG 7031 Concrete Design	3
C&ENVENG 7032 Design of Composite Structures	3
C&ENVENG 7033 Earthquake Engineering & Design	3
C&ENVENG 7034 Foundation Engineering & Design	3
C&ENVENG 7035 Footing Design & Soil Variability	3
C&ENVENG 7036 Water Resources Management & Design	3
C&ENVENG 7037 Water Distribution Systems & Design	3
C&ENVENG 7038 Coastal Engineering & Design	3
C&ENVENG 7039 Special Studies in Civil Engineering	3
C&ENVENG 7040 Special Studies in Environmental Engineering	3
C&ENVENG 7041 Fundamental Steel Design	3
C&ENVENG 7042 Design of Concrete Structures N	3

Electrical & Electronic Engineering

ELEC ENG 7015 Adaptive Signal Processing	3
ELEC ENG 7017 Beamforming & Array Processing	3
ELEC ENG 7033 Principles of RF Engineering	3
ELEC ENG 7044 Multimedia Communications	3
ELEC ENG 7045 Photonics for Communications	3
ELEC ENG 7046 Power Quality and Fault Diagnostics	3
ELEC ENG 7047 Special Studies in Electrical Engineering	3
ELEC ENG 7049 Power Electronics Systems	3
ELEC ENG 7050 Microelectronic Testing and Design for Test	3
ELEC ENG 7051 Microelectronic Datapaths and Arithmetic	3
ELEC ENG 7052 Electomagnetic Theory and RFID Applications	3
ELEC ENG 7053 Analog Microelectronic Systems	3
ELEC ENG 7054 Detection and Estimation Theory	3
ELEC ENG 7055 Antennas and Propogation	3
ELEC ENG 7056 RF Measurement and Testing	3

Education Centre for Innovation & Commercialisation (ECIC)

ENTRSHIP 5008 Leading and Managing	3
ENTRSHIP 5016 Entrepreneurship & Innovation	3
ENTRSHIP 5017 New Enterprise Financial Management	3
ENTRSHIP 5018 Opportunity Assessment	3
ENTRSHIP 5019 New Enterprise Marketing	3
ENTRSHIP 5020 New Enterprise Operations	3
ENTRSHIP 5021 Applied Project Management 1	3

Mathematical and Computer Sciences

APP MTH 7014 Modelling Telecommunication Traffic	2
APP MTH 7026 Communication Network Design (Masters)	3
APP MTH 7043 Transform Methods & Signal Processing	2
APP MTH 7050 Aerodynamics	3
APP MTH 7052 Computational Fluid Dynamics (Engineering)	3
APP MTH 7055 Game Theory	3
APP MTH 7056 Telecommunications Systems Modelling III	3
APP MTH 7057 Special Studies in Engineering Mathematics	3
PURE MTH 7041 Mathematical Coding & Cryptology	2

Mechanical Engineering

MECH ENG 7019 Automotive Engineering	3
MECH ENG 7020 Materials Selection & Failure Analysis	3
MECH ENG 7021 Combustion Technology & Emissions Control	3
MECH ENG 7022 Fundamentals of Non-Linear Computational Mechanics	3
MECH ENG 7023 Fracture Mechanics	3
MECH ENG 7024 Robotics M	3
MECH ENG 7025 Topics in Welded Structures	3
MECH ENG 7026 Advanced Topics in Fluid Mechanics	3
MECH ENG 7027 Engineering Acoustics	3
MECH ENG 7028 Advanced Automatic Control	3
MECH ENG 7029 Airconditioning	3
MECH ENG 7030 Advanced Vibrations	3
MECH ENG 7031 Aerospace Navigation and Guidance	3
MECH ENG 7032 Introduction to Biomechanics	3

Petroleum Engineering and Management

PETROENG 7001 Petrophysics	2
PETROENG 7002 Reservoir Engineering	2
PETROENG 7003 Production and Facilities Engineering	2
PETROENG 7006 Economic Evaluation	2
PETROENG 7009 Decision-Making Under Uncertainty	3
PETROENG 7010 Portfolio & Strategic Management	2
PETROENG 7012 Oil and Gas Resources and Reserves	2
PETROENG 7023 Project Management	2
PETROENG 7024 People and Organisational Skills Development	2
PETROENG 7031 Reservoir Characterisation and Modelling	3
PETROENG 7032 Integrated Reservoir Management	3
PETROENG 7035 Fundamentals of Numerical Reservoir Simulation	3
PETROENG 7037 Structural Geology & Seismic Methods	3
PETROENG 7038 Well Testing and Pressure Transient Analysis	3
PETROENG 7039 Production Optimisation & Project	3
PETROENG 7040 Enhanced Oil Recovery	3
PETROENG 7041 Gas Fields Optimisation	2
PETROENG 7043 Integrated Field Development	3
PETROENG 7044 Development Geology & Geophysics	2

Group B: Advanced courses

Level IV Engineering courses, which have been designated as 'Advanced Level' by the School concerned; details available from the Schools.

Group C: Ordinary Level courses

Level III and IV courses (not included above) in the Faculties of Engineering, Computer and Mathematical Sciences, and Sciences.

Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities and sufficient enrolments.

Master of Entrepreneurship

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Master of Entrepreneurship a candidate shall satisfactorily complete a program of full-time study extending over at least one year or part-time study extending over at least two years. Except with the permission of the Faculty, the work for the Master of Entrepreneurship shall be completed within four years.

2 Admission

2.1 Except as provided for in 2.2 below, a candidate for admission to the program of study for the Master of Entrepreneurship shall have qualified either for the Graduate Certificate in Business Enterprise (SME); or for a degree of the University or another institution accepted by the University for the purpose as equivalent, and shall have had at least 5 years approved professional work experience.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify for admission to the program under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

Except with the special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award other than the Graduate Certificate in Business Enterprise (SME) (see 2.4 below). Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.4 Articulation with other awards

A candidate who has been admitted to the Graduate Certificate in Business Enterprise (SME) and who has been granted status toward the Master of Entrepreneurship for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Master of Entrepreneurship.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails to pass in a course and desires to take the course again shall again undertake study and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed the examination in any course or division of a course may not enrol for the course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails to attend all or part of a final examination (or supplementary examination if granted) after being enrolled for at least two thirds of the normal period during which the course is taught, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Master of Entrepreneurship, a candidate shall satisfactorily complete courses to the total value of 24 units, comprising five core courses to the value of 15 units plus elective courses to the value of at least 9 units as given below.

4.1.1 Core courses

TECHCOMM 5016 Entrepreneurship and Innovation	3
TECHCOMM 5017 New Enterprise Financial Management	3
TECHCOMM 5018 Opportunity Assessment	3
TECHCOMM 5019 New Enterprise Marketing	3
TECHCOMM 5020 New Enterprise Operations	3

4.1.2 Elective courses

TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5004 Managing Risk	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5008 Leading and Managing	3
TECHCOMM 5021 Applied Project Management 1	3
TECHCOMM 5025 Commercialisation: Process & Strategy	3
TECHCOMM 5028A/B Project in Entrepreneurship	9
TECHCOMM 5029 Project in Entrepreneurship (6 units)	6
TECHCOMM 5030 Project in Entrepreneurship (3 units)	3

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Information Technology

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

A candidate shall:

(a) complete any additional compulsory work as the Faculty may determine

(b) except with the permission of the Faculty, the work for the degree shall be completed:

(i) in the case of a full-time candidate, not less than one year

(ii) in the case of a part-time candidate, not less than one and a half years.

2 Admission

2.1 The Faculty may accept as a candidate for the degree any person who has completed one of the following at the University of Adelaide:

Graduate Certificate in Computer Science

Graduate Diploma in Computer Science

Bachelor degree that includes a major in Computer Science.

2.2 The Faculty may accept as a candidate for the degree any person who has completed studies at another institution, where those studies are accepted by the University as equivalent to studies specified in 2.1 above.

2.3 Subject to the approval of Council, the Faculty may, in special cases accept as a candidate for the degree a person who does not hold the qualifications specified in 2.1 or 2.2.

2.4 A candidate admitted under 2.3 above will be required to undertake such additional compulsory work as the Faculty may determine. This additional work will not exceed 12 units of study and may be taken concurrently with the Master's study.

2.5 Admission to the program of study for the degree of Master of Information Technology will be based on a combination of results in university studies, other achievements, and the outcome of an interview.

2.6 Credit transfer

A candidate who has passed courses in this or other educational institutions and who has not presented these courses towards any award may, on written application to the Faculty, be granted such exemption from the requirements of these rules as the Faculty shall determine. Status may be granted for a maximum of 9 units under 4.2.2 of the Academic Program Rules.

3 Assessment and examinations

3.1 No material presented for any other degree within this or any other institution shall be submitted unless otherwise permitted by the Head of School or nominee.

3.2 There shall be four classifications of Pass in each course for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.3 If a course has a Conceded Pass classification for the purpose of another award any such course passed with this classification shall not count towards the requirements for the degree.

3.4 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

3.5 A candidate who fails in a course, and desires to take the course again, shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for exemption.

3.6 A candidate who has twice failed in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.7 Review of academic progress

If in the opinion of the Faculty a candidate for the degree is not making satisfactory progress, the Faculty may with the consent of Council, terminate the candidature and the candidate shall cease to be enrolled for the degree.

4 Qualification requirements

4.1 Academic program

To qualify for the degree a candidate shall:

(i) satisfactorily complete any additional compulsory work which may be prescribed *and*

(ii) satisfy examiners in courses of study prescribed in these rules.

4.2 Courses of study and project work

4.2.1 The program consists of 36 units of study which shall normally extend over one and a half years of full-time study, and consists of two components:

(a) Computer Science courses and

(b) Management courses

4.2.2 To qualify for the degree a candidate shall satisfactorily complete a program of study comprising courses as follows:

(a) at least 20 units selected from

(i) courses listed in Academic Program Rule 5.2 of the Master of Computer Science *and*

(ii) non-project based courses listed in Academic Program Rule 5.5 of the Master of Software Engineering;

(b) the balance made up of any of the following:

(i) Information Technology related courses as offered at Level IV, Level V, Honours and postgraduate courses drawn from Engineering, and Mathematical and Computer Sciences. Students must have the appropriate prerequisites for the courses selected

(ii) Management courses selected from those offered by the Adelaide Graduate School of Business or the Centre for Innovation and Commercialisation as approved by the Postgraduate Coordinator

(iii) other courses to the value of up to 6 units may be included subject to the approval of the Postgraduate Coordinator.

4.2.3 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.2.4 To complete a program of study in a course a candidate shall, unless exempted by the Postgraduate Coordinator offering the course:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars and

(b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the head of the school offering the course may prescribe.

4.2.5 Each candidate's program of study must be approved by the Postgraduate Coordinator (or nominee) at enrolment each year.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the course coordinator early in the year in which the program is being offered regarding the content of courses to be offered in that year.

Notes:

1 not all electives will necessarily be offered in any one year

2 students may be interviewed to assess their suitability for course choices.

Master of Mathematical Science

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

1.1 The Faculty shall appoint one or more supervisors to guide a candidate's work.

1.2 A candidate may not count a course or closely related course or part of a course already presented for another degree or diploma.

1.3 A candidate who fulfils the requirements of these Rules may, on the recommendation of the Faculty, be admitted to the degree of Master of Mathematical Science.

2 Duration of program

A candidate shall:

(a) complete any preliminary work which may be prescribed

(b) undertake an approved program of advanced study and project work under the direction of a supervisor or supervisors extended over one year if taken full-time or not less than two and not more than four years if taken part-time.

3 Admission

3.1 The following may be accepted as a candidate for the degree:

(a) a person who has qualified in the the University of Adelaide for the Honours degree of Bachelor of Mathematical and Computer Sciences or the Honours degree of Bachelor of Engineering or the Honours degree of Bachelor of Science in Mathematical Physics, or holds another academic qualification accepted by the Faculty as equivalent.

(b) a person who has qualified in the the University of Adelaide for the degree of Bachelor of Engineering, Science or Applied Science or holds another academic qualification accepted for the purpose by the Faculty. A person admitted under this sub-Rule will normally be required satisfactorily to complete sufficient work of Honours standard as is deemed necessary by the Faculty in addition to satisfying the requirements of the Master's degree.

3.2 Subject to the approval of the Council the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 3.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

3.3 Preliminary work

3.3.1 A person whose qualifications have been accepted under 3.1(a) shall be deemed to have satisfied the requirements of this schedule.

3.3.2 A candidate admitted under either 3.1(b) or 3.2 shall complete the requirements of this Rule by undertaking, and satisfying the examiners in, such programs of study and/or other work as may in his or her case be prescribed by the Faculty. The purpose of this schedule is that the person should demonstrate the ability to perform at Honours standard.

4 Enrolment

4.1 Review of academic progress

If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

(a) pass such examination on the candidate's program of advanced study as may be required by the Faculty *and*

(b) present a satisfactory dissertation on the candidate's project.

5.2 Project work

Subject to such conditions as it may determine, the Faculty may permit project work to be undertaken outside the University provided that it can be satisfied:

(a) that this will result in mutual academic benefit to the candidate and the supervising school

(b) that there will be adequate contact and interaction between the candidate and the supervising school *and*

(c) that the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

5.3 Academic program

5.3.1 The program of study and project work to the value of at least 24 units shall consist of:

(a) supervised project work and seminar presentation from one of the following:

APP MTH 7007 Masters Applied Mathematics Project	6
PHYSICS 7023 Masters Mathematical Physics Project	6
PURE MTH 7008 Masters Pure Mathematics Project	6
STATS 7001 Masters Statistics Project	6

Note: intending students should consult the relevant school early in the year in which they plan to study in order to ascertain whether particular courses will be available in that year, which semester they will be taught and their precise content

(b) courses chosen from the following list

Applied Mathematics

APP MTH 7000 Applied Mathematics Topic D	3
APP MTH 7006 Variational Methods for PDEs	3
APP MTH 7011 Transform Methods and Signal Processing (Masters)	3
APP MTH 7018 Aerodynamics	3
APP MTH 7020 Advanced Hydrodynamics	3
APP MTH 7026 Communication Network Design (Masters)	3
APP MTH 7028 Finite Difference Methods for PDEs	3
APP MTH 7029 Mathematical Economics (Masters)	3
APP MTH 7032 Tidal Models	3
APP MTH 7044 Applied Mathematics Topic C	3
APP MTH 7045 Applied Mathematics Topic B	3
APP MTH 7046 Foundations of Financial Economics	3
APP MTH 7048 Applied Mathematics Topic A	3
APP MTH 7052 Computational Fluid Dynamics (Eng)	3
APP MTH 7054 System Modelling & Simulation	3
APP MTH 7055 Game Theory	3
APP MTH 7056 Telecommunication System Modelling	3
APP MTH 7073 Modelling Telecommunication Traffic	3
MECH ENG 4009 Robotics	3

Mathematical Physics

PHYSICS 7004 Advanced Electromagnetism	3
PHYSICS 7006 Cosmology	3
PHYSICS 7008 Gauge Theory	3
PHYSICS 7009 General Relativity	3
PHYSICS 7014 Relativistic Quantum Mechanics and Particle Physics	3
PHYSICS 7015 Statistical Mechanics/ Many-Body Theory	3
PHYSICS 7024 Topics in Mathematical Physics A	3
PHYSICS 7025 Topics in Mathematical Physics B	3

Pure Mathematics

PURE MTH 7002 Pure Mathematics Topic B	3
PURE MTH 7003 Geometry I	3
PURE MTH 7010 Algebra III	3
PURE MTH 7019 Algebra II	3
PURE MTH 7021 Algebra I	3
PURE MTH 7023 Pure Mathematics Topic D	3
PURE MTH 7024 Geometry II	3
PURE MTH 7028 Topology	3
PURE MTH 7030 Analysis III	3
PURE MTH 7032 Analysis II	3
PURE MTH 7033 Galois Theory	3
PURE MTH 7038 Pure Mathematics Topic A	3
PURE MTH 7047 Pure Mathematics Topic C	3
PURE MTH 7049 Real Analysis III	3
PURE MTH 7050 Fields and Geometry III	3
PURE MTH 7051 Fractal Geometry III	2
PURE MTH 7052 Logic III	2
PURE MTH 7053 Number Theory III	2
PURE MTH 7054 Complex Analysis II	2
PURE MTH 7055 Topology and Analysis III	2
PURE MTH 7056 Discrete Mathematics II	2
PURE MTH 7057 Pure Mathematics Diploma Project A	3
PURE MTH 7058 Pure Mathematics Diploma Project B	3
PURE MTH 7059 Groups and Rings III	3
PURE MTH 7060 Multivariable Calculus II	2

Statistics

STATS 7004 Statistics Topic A	3
STATS 7008 Statistics Topic D	3
STATS 7014 Statistics Topic B	3

STATS 7016 Statistics Topic C	3
STATS 7019 Advanced Inference	3
STATS 7054 Statistical Modelling	3
STATS 7055 Bioinformatics	3
STATS 7056 Biostatistics	3
STATS 7057 Sampling Theory and practice	3
STATS 7058 Time Series	3
STATS 7059 Mathematical Statistics	3
STATS 7060 Industrial Statistics	3

(c) other courses offered by the University of Adelaide or other tertiary institutions in South Australia which are accepted by the Faculty as being equivalent to those listed above.

(d) Students may present other relevant courses or work, to the value of at most five units, as may be approved by the Faculty.

5.3.2 The availability of all courses in any year is conditional on there being adequate staffing levels.

5.4 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the Program Coordinator early in the year in which the program is being offered to obtain advice as to the specific content of the program. The field of study of the major and minor projects can also be determined at that time.

Master of Mathematical Sciences (Signal and Information Processing)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

A candidate who fulfils the foregoing requirements shall, on the recommendation of the Board of Studies, be admitted to the degree of Master of Mathematical Sciences (Signal and Information Processing).

2 Duration of program

A candidate shall:

(a) complete any preliminary work which may be prescribed

(b) undertake an approved program of advanced study which extends over one and a half years if taken full-time or not less than three and not more than six years if taken part-time.

3 Admission

3.1 The following may be accepted as a candidate for the degree:

Any person who has qualified for an Honours degree of Bachelor of Science in either Mathematics or Physics or a degree of Bachelor of Engineering (Electrical and Electronic) with Honours of the the University of Adelaide, or for an equivalent degree of another tertiary institution accepted for the purpose by the University.

3.2 Graduates with Honours in other areas of Engineering, or in related scientific areas, may be accepted at the discretion of the Faculty.

3.3 Subject to the approval of the Council, the Board of Studies may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 3.1 or 3.2 but who has given evidence satisfactory to the Board of fitness to undertake work for the degree.

3.4 Status and credit transfer

A candidate who has passed courses in this or other educational institutions and who has not presented these courses towards any award may, on written application to the Faculty, be granted status for a maximum of 4 units under 5.3.2 of the Academic Program Rules.

4 Assessment and examination

4.1 Review of academic progress

If in the opinion of the Board of Studies a candidate for the degree is not making satisfactory progress, the Board may, with the consent of the Council, terminate the candidature.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

(a) comply with conditions as prescribed in the Academic Program Rules and

(b) pass such examinations on the candidate's program of advanced study as may be required by the Board of Studies.

5.2 Unacceptable combinations of courses

Except as provided in 5.3.5, no candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.3 Academic program

5.3.1 A candidate for the degree shall regularly attend lectures and tutorials, do such written and practical work as may be prescribed, and satisfactorily complete courses to the value of at least 36 units as defined in 5.3.2.

5.3.2 The program of study to the value of at least 36 units shall consist of:

(i) courses to the value of at least 18 units selected from:

SIP 7001 Information Theory	3
SIP 7002 Kalman Filtering and Tracking	3
SIP 7003 Error Control Coding	3
SIP 7004 Mobile Communications	3
SIP 7005 Multisensor Data Fusion	3
SIP 7007 Image Processing	3
SIP 7009 Speech Processing	3
SIP 7011Signal Processing Applications	3

SIP 7012 Detection, Estimation and Classification	3
SIP 7013 Introduction to Discrete Linear Systems	3
SIP 7015 Signal Synthesis and Analysis	3
SIP 7017 Specialised Studies A	3
SIP 7018 Specialised Studies B	3
SIP 7019 Specialised Studies C	3
SIP 7020 Specialised Studies D	3
SIP 7023 Satellite Communications	3
SIP 7024 Adaptive Signal Processing	3
SIP 7025 Beamforming & Array Processing	3
SIP 7026 Mathematical Coding & Cryptology	3

Specialised Studies may consist of directed readings or approved short courses as approved by the Faculty. The content and assessment of these courses will be determined in each case by the academic coordinator of the course in consultation with the student's supervisor and the student.

(ii) Honours and other relevant courses offered by the the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Board of Studies.

(iii) supervised project work consisting of the course:

MATHS 7008 A/B Mathematical Signal and Information Processing Project	6

Note: Intending students should consult the relevant school early in the year in which they plan to study in order to ascertain whether particular courses will be available in that year, which semester they will be taught and their precise content.

5.3.3 Students who are required to undertake preliminary work will normally enrol in one of the following courses:

MATHS 7010A/B Qualifying Studies in Mathematics (Full-time)	12
MATHS 7021A/B Qualifying Studies in Mathematics (Part-time)	6

On satisfactory completion of this work the student will proceed to study as outlined in 5.3.1 above.

5.3.4 The Faculty may grant status of up to 12 units for studies undertaken within an Honours degree in either Mathematics or Physics, or a degree of Bachelor of Engineering (Electrical and Electronic) with Honours of the the University of Adelaide, or within an equivalent degree of another tertiary institution. These candidates will still need to present a minimum of 24 units towards the Master of Mathematical Sciences (Signal and Information Processing) that have not been presented for any other degree.

5.3.5 Candidates who are granted exemption from one or more of the courses listed in 5.3.2 (i) on the basis of previous studies may select in their place other relevant courses offered by the the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Board of Studies.

5.3.6 The availability of all courses is conditional on there being adequate staffing and resources.

5.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the Board of Studies special circumstances exist, the Council, on the recommendation of the Board in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the program coordinator early in the year in which the program is being offered regarding the content of the specific courses that are to be offered in that year.

textbooks

Information on appropriate textbooks will be provided by the course coordinator at the commencement of each course.

examinations

For each course students may obtain from the course coordinator details of the examination in that course including the relevant weight given to the components (eg. such as the following as are relevant: assessments, semester or mid-semester tests, essays or other written or practical work, final written examinations, viva voce examinations).

Master of Petroleum Business Management

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Master of Petroleum Business Management shall be completed in two semesters of full-time study, or up to ten semesters of part-time study. Except with the permission of the Faculty, the requirements of the degree must be completed within 5 years.

2 Admission

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall have qualified for a degree with Honours (in a relevant discipline) of the University or of another institution accepted for this purpose by the Faculty.

2.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the degree of Master of Petroleum Business Management, a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status or exemption

A candidate may not present for credit towards the degree any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Master of Petroleum Business Management: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for assessment unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a course and desires to take the course again shall again attend that course and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for the assessment for a given course, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of the assessment, shall be deemed to have failed that course.

3.6 The Research Project shall be approved by the Head of the Australian School of Petroleum (or nominee) and be conducted under the supervision of a member of the academic staff of the University of Adelaide.

3.7 The Faculty may permit the Research Project to be undertaken outside the University provided there will be adequate contact and interaction between the candidate and the candidate's supervisor.

3.8 Evaluation of the Research Project shall be through the submission of a comprehensive report and a presentation. This evaluation shall be conducted jointly by the School's academic staff and industry practitioners nominated by the academic staff.

4 Qualification requirements

4.1 To qualify for the degree of Master of Petroleum Business Management, a candidate shall satisfactorily complete a minimum of 24 units of which at least 10 units must be taken from the list of Compulsory Courses in 4.2 Group A, either 4 or 8 units must be taken as a Research Project in 4.2 Group B, and the remaining units must be taken from the list of Elective courses in 4.2 Group C. The specific list of courses to be taken by any candidate must be agreed by the Program Coordinator at the time of enrolment and will depend on the candidate's prior experience and learning goals.

4.2 Academic Program

Group A: Compulsory courses

PETROENG 7006 Economic Evaluation	2
PETROENG 7009 Decision-Making Under Uncertainty	3
PETROENG 7010 Portfolio & Strategic Management	2
PETROENG 7012 Oil and Gas Resources and Reserves	3

PETROENG 7023 Project Management	2
PETROENG 7024 People and Organisational Skills Development	2
PETROENG 7036 Managing in a Global Environment	2
PETROENG 7043 Integrated Field Development and Economics Project	3
Group B: Research Project	
PETROENG 7014 Research Project A	4
PETROENG 7046 Research Project B	4
Group C: Elective courses	
PETROENG 7001 Petrophysics	2
PETROENG 7002 Reservoir Engineering	2
PETROENG 7003 Production and Facilities Engineering	2
PETROENG 7031 Reservoir Characterisation and Modelling	3
PETROENG 7032 Integrated Reservoir Management	3
PETROENG 7038 Well Testing and Pressure Transient Analysis	3
PETROENG 7039 Production Optimisation & Project	3
PETROENG 7040 Enhanced Oil Recovery	3
PETROENG 7041 Gas Fields and Optimisation	2
PETROENG 7042 Drilling Engineering and Well Completion	3
PETROENG 7044 Development Geology & Geophysics	2

* The availability of all courses is conditional on the availability of staff and facilities and sufficient enrolments. Each year the Australian School of Petroleum shall determine which courses will be offered and in which semester they will be offered.

4.3 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Petroleum Engineering

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Master of Petroleum Engineering shall be completed in two semesters of full-time study, or up to ten semesters of part-time study.

2 Admission

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall:

(a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Petroleum) with Honours *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to the degree of Bachelor of Engineering (Petroleum) with Honours.

2.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the degree of Master of Petroleum Engineering, a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status or exemption

A candidate may not present for credit towards the degree any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Master of Petroleum Engineering: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a course and desires to take the course again shall again attend the course and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for the assessment for a given course, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of the assessment, shall be deemed to have failed that course.

3.6 The Research Project shall be approved by the Head of the Australian School of Petroleum (or nominee) and be conducted under the supervision of a member of the academic staff of the University of Adelaide.

3.7 The Faculty may permit the Research Project to be undertaken outside the University provided there will be adequate contact and interaction between the candidate and the candidate's supervisor.

4 Qualification requirements

4.1 To qualify for the degree of Master of Petroleum Engineering, a candidate shall satisfactorily complete a minimum of 24 units of which a minimum of 16 units must be taken from the list of Core Courses in 4.2 Group A. The remaining 8 units may be taken from either Group A or Group B. The specific list of courses to be taken by any candidate must be agreed by the Program Coordinator at the time of enrolment and will depend on the candidate's prior experience and learning goals.

4.2 Academic Program

Group A Core Courses

PETROENG 7001 Petrophysics	2
PETROENG 7002 Reservoir Engineering	2
PETROENG 7003 Production and Facilities Engineering	2
PETROENG 7006 Economic Evaluation	2
PETROENG 7023 Project Management	2
PETROENG 7031 Reservoir Characterisation & Modelling	3
PETROENG 7032 Integrated Reservoir Management	3

PETROENG 7042 Drilling, Engineering and Well Completion	3
PETROENG 7043 Integrated Field Development Planning and Economics Project	3
PETROENG 7044 Development Geology & Geophysics	2

Group B: Elective courses

PETROENG 7009 Decision-Making Under Uncertainty	3
PETROENG 7010 Portfolio & Strategic Management	2
PETROENG 7012 Oil and Gas Resources and Reserves	3
PETROENG 7014 Research Project A	4
PETROENG 7024 People and Organisational Skills Development	2
PETROENG 7035 Fundamentals of Numerical Reservoir Simulation	3
PETROENG 7037 Structural Geology & Seismic Methods	3
PETROENG 7038 Well Testing and Pressure Transient Analysis	3
PETROENG 7039 Production Optimisation & Project	3
PETROENG 7040 Enhanced Oil Recovery	3
PETROENG 7041 Gas Fields Optimisation	2
PETROENG 7046 Research Project B	4

4.3 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Project Management

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

The Master of Project Management can be completed in a minimum of 2 semesters or participants can study at their own pace so long as the coursework for the Master of Project Management is completed within 3 years.

2 Admission

2.1 An applicant for admission to the program for the Master of Project Management shall:

(a have qualified for a four-year degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a four-year degree of the University *or*

(b) have qualified for a three-year degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a three-year degree of the University and have three years' professional work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Master of Project Management a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Masters.

2.3 Status, exemption and credit transfer

Candidates who have previously passed courses in postgraduate awards or equivalent at the University of Adelaide or another university and who wish to count such courses towards the Master of Project Management may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of twelve (12) units.

2.4 Articulation with other awards

A candidate who has been admitted to the Graduate Certificate in Project Management and who subsequently satisfies the requirements for the Master of Project Management must surrender the Graduate Certificate before being admitted to the Master degree.

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3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Master degree: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass.

3.2 A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails a course and wishes to repeat that course, shall, unless exempted partially there from by the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3.4 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Master of Project Management, a candidate shall satisfactorily complete courses to the value of 24 units of which at least 18 units are from the list of core courses.

Note: students should discuss their choice of courses with the Program Coordinator.

4.1.1 Core courses

TECHCOMM 5004 Managing Risk	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5013 Systems Engineering *	3
TECHCOMM 5014 Project Management Techniques **	3
TECHCOMM 5015 Project Finance and Accounting	3
TECHCOMM 5021 Applied Project Management 1	3
TECHCOMM 5026 Applied Project Management 2 *	3

* Candidates must undertake either Applied Project Management 2 or Systems Engineering.

** Project Management Techniques is the intermediate core course between Applied Project Management 1 and Applied Project Management 2 (or Systems Engineering). Therefore

Applied Project Management 1 is a Pre or Co-Requisite to Project Management Techniques; furthermore, Applied Project Management 1 is a Pre-requisite to Applied Project Management 2, and Project Management Techniques is a Pre or Co-Requisite to Applied Project Management 2.

4.1.2 Elective courses

TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5008 Leading and Managing	3
TECHCOMM 5010 Technology Project Management	3
TECHCOMM 5012 Integrated Logistic Support	3
TECHCOMM 5016 Entrepreneurship and Innovation**	3
TECHCOMM 5018 Opportunity Assessment**	3
TECHCOMM 5022A/B Project Management Project (9 units)	9
TECHCOMM 5023A/B Project Management Project (6 units)	6
TECHCOMM 5024 Project Management Project (3 units)	3
TECHCOMM 5027 Business and Project Creation**	3

** Candidates cannot undertake Opportunity Assessment or Entrepreneurship and Innovation in conjunction with Business and Project Creation

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Science and Technology Commercialisation

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

It is possible to complete the Master of Science and Technology Commercialisation in one year. Alternatively participants can study at their own pace provided the eight courses plus project are completed within 4 years.

2 Admission

2.1 An applicant for admission to the program for the Master of Science and Technology Commercialisation shall have qualified for a degree of the University or another institution accepted by the University for the purpose as equivalent, shall have had at least 5 years approved professional work experience, and shall have demonstrated to the satisfaction of the University to have the capacity and experience to benefit from the program.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

Candidates who have previously passed courses in postgraduate awards or equivalent at the University of Adelaide or another university and who wish to count such courses towards the Master of Science and Technology Commercialisation may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of six (6) units.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Science and Technology Commercialisation who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma in Science and Technology Commercialisation may be admitted to one or other of those degrees as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Science and Technology Commercialisation and who subsequently satisfies the requirements for the Master of Science and Technology Commercialisation must surrender the Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass.

3.2 A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails a course and wishes to repeat that course, shall, unless exempted partially therefrom by the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3.4 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the Master of Science and Technology Commercialisation, a candidate shall satisfactorily complete courses to the value of 36 units consisting of:

(a) 24 units of coursework of which at least 18 units are core courses *and*

(b) a 12 unit Project as set out under 4.1.2 below.

Note: students should discuss their choice of courses with the Program Coordinator.

4.1.1 Core courses

TECHCOMM 5001 Marketing Technological Innovation	3
TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5005 Financing Commercialisation	3

TECHCOMM 5006 Technology Management and Transfer	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5008 Leading and Managing	3
TECHCOMM 5011 Internationalisation of Technology	3

4.1.2 Masters Project

TECHCOMM 7006A/B Masters Project (Australia)	12
or	
TECHPJIL Masters Project (International)	12

4.1.3 Elective courses

TECHCOMM 5004 Managing Risk	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5012 Integrated Logistics Support	3
TECHCOMM 5021 Applied Project Management I	3

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Sciences (Defence)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with permission of the Board of Studies, the program for the Master of Sciences (Defence) shall be completed in three semesters of full-time study, or up to eight semesters of part-time study.

2 Admission requirements

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall:

(a) have qualified for a degree from the University of Adelaide in a discipline related to the proposed field of study

(b) have qualified for an award accepted by the Board of Studies as being equivalent to a degree from the University of Adelaide in a discipline related to the proposed field of study *and*

(c) shall have had at least 18 months' employment experience in a defence-related industry.

2.2 The Board of Studies may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the degree of Master of Sciences (Defence), a person who does not qualify under 2.1 above, but has given evidence satisfactory to the Board of fitness to undertake work for the degree.

2.3 Status or exemption

A candidate may not present for credit towards the degree any course which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Master of Sciences (Defence): Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. Courses passed with a conceded pass classification may not be counted towards the requirements for the degree of Master of Sciences (Defence).

3.2 To satisfy the requirements of the degree, a candidate must obtain a weighted average taken over the best results in eligible courses which together amount to the required number of units, of at least 55%.

3.3 A candidate shall not be eligible to attend for examination unless any prescribed coursework has been completed to the satisfaction of the teaching staff concerned.

3.4 A candidate who fails in a course and desires to take the course again shall again attend the course and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted there from after written application to the Board of Studies for such exemption.

3.5 A candidate who has twice failed any course may not enrol for that course again except by special permission of the Board of Studies and then only under such conditions as may be prescribed.

3.6 For the purpose of this Rule, a candidate who is refused permission to sit for the assessment for a given course, or who without a reason accepted by the Convenor of the Board of Studies (or nominee) fails to attend all or part of the assessment, shall be deemed to have failed that course.

4 Qualification requirements

4.1 To qualify for the degree of Master of Sciences (Defence), a candidate shall satisfactorily complete courses from the following list to a total value of at least 36 units. These must include the two core courses from Group A to the value of 6 units and the Research Project (12 units).

4.2 Candidates may present courses offered by other universities from a register of approved courses maintained by the Board of Studies, but the total value of these external courses must not exceed 12 units (including the core courses in Group A).

Candidates must have their proposed program of studies approved by the Convenor of the Board of Studies or nominee at enrolment.

Group A : Core courses

Both of these courses are offered by the University of South Australia

Research Methods in a Multidisciplinary Environment	3
Systems Engineering for Complex Problem Solving	3

Group B : Defence Technology Stream

DEFSCI 7004 Aerospace Navigation & Guidance	3
DEFSCI 7006 Antennas and Propagation	3
DEFSCI 7007 Principles of RF Engineering	3
DEFSCI 7008 RF Measurements and Testing	3
DEFSCI 7203 Photonics IV-D:	3
DEFSCI 7204 Physical Optics III-D	3
DEFSCI 7205 Experimental Methods IV-D	3
DEFSCI 7206 Photonics III-D :Laser Physics	3

Note: special conditions apply to choosing courses with a Photonics theme. There is a preferred sequence within these courses, and candidates should seek guidance on their enrolment pattern. Electromagnetics III contains material which is assumed knowledge in the remaining courses, and should be taken by candidates without this specialist undergraduate Physics background. From time to time further Photonics options may also become available.

Group C : Information and Communication Technology Stream

DEFSCI 7000 Cognitive Science: Minds, Brains and Computers	3
DEFSCI 7001 Decision Making in a Real Environment	3
DEFSCI 7002 Distributed Systems	3
DEFSCI 7003 Artificial Intelligence	3
DEFSCI 7013 Knowledge Representation	3
DEFSCI 7014 Parallel Computation	3

Research Project

DEFSCI 7016 Master of Sciences (Defence) Research Project	12

The availability of all elective courses is conditional on the availability of staff and facilities and sufficient enrolments.

Other relevant courses may be presented towards the requirements of the Master of Sciences (Defence) with the written approval of the Convenor of the Board of Studies.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of Board of Studies, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the Board of Studies special circumstances exist, the Council, on the recommendation of the Board in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Sciences (Defence Signal Information Processing)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

A candidate who fulfils the following requirements shall, on the recommendation of the Board of Studies, be admitted to the degree of Master of Sciences (Defence Signal Information Processing).

2 Duration of program

A candidate shall:

(a) complete any preliminary work which may be prescribed

(b) undertake an approved program of advanced study which extends over one and a half years if taken full-time or not less than three and not more than six years if taken part-time.

3 Admission

3.1 The following may be accepted as a candidate for the degree:

Any person who has qualified for an Honours award in Mathematics, Physics or in Electrical and Electronic Engineering: or a Bachelor award that includes a major in either Mathematics or Physics, or for an equivalent degree accepted for the purpose by the University, plus 18 months experience in the Defence industry.

3.2 The Board of Studies may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 3.1 but who has given evidence satisfactory to the Board of fitness to undertake work for the degree.

3.3 Articulation with other awards

3.3.1 A candidate who has been enrolled for the Graduate Certificate or Graduate Diploma in Signal Information Processing at the University of Adelaide and who has not been awarded the Graduate Certificate or Graduate Diploma shall, on written application, be permitted to transfer all equivalent courses towards the Masters degree.

3.3.2 A candidate who holds the Graduate Certificate or Graduate Diploma in Signal Information Processing from the University of Adelaide shall surrender the Graduate Certificate or Graduate Diploma before being awarded the Masters degree.

3.4 Credit Transfer

3.4.1 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

3.4.2 Candidates may present courses offered by other universities from a register of approved courses maintained by the Board of Studies but the total value of these external courses must not exceed 6 units from 6.3.1(i), and 6 units under 6.3.1 (ii) of the Academic Program Rules.

4 Assessment and examination

4.1 Review of academic progress

If in the opinion of the Board of Studies a candidate for the degree is not making satisfactory progress, the Board may terminate the candidature.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

(a) comply with conditions as prescribed in the Academic Program Rules

(b) satisfy examiners in courses of study as prescribed in the Academic Program Rules

(c) do such written and practical work as may be prescribed, and satisfactorily complete a total of at least 36 units as defined in 6.3.1

(d) present a satisfactory dissertation on the candidate's project.

5.2 Project Work

Subject to such conditions as it may determine, the Board of Studies may permit project work to be undertaken outside the University provided that it can be satisfied:

(a) that this will result in mutual academic benefit to the candidate and the supervising school or organisation

(b) that there will be adequate contact and interaction between the candidate and the supervising school or organisation.

5.3 Academic program

5.3.1 The program of study and project work to the value of at least 36 units shall consist of:

(i) Compulsory courses

Research Methods in a Multidisciplinary Environment	3
Systems Engineering for Complex Problem Solving	3

(ii) courses to the value of at least 12 units selected from:

SIP7002 Kalman Filtering and Tracking	3
SIP 7005 Multisensor Data Fusion	3
SIP7007 Image Processing	3
SIP7012 Detection, Estimation and Classification	3
SIP7013 Introduction to Discrete Linear Systems	3
SIP 7024 Adaptive Signal Processing	3
SIP 7025 Beamforming and Array Processing	3

(iii) courses to the value of at least 6 units selected from either:

(a) courses listed in 6.3.1 (ii) *or*

(b) from the following courses

SIP 7001 Information Theory	3
SIP 7003 Error Control Coding	3
SIP 7004 Mobile Communications	3
SIP 7009 Speech Processing	3
SIP 7011 Signal Processing Applications	3
SIP 7015 Signal Synthesis and Analysis	3
SIP 7017 Specialised Studies A	3
SIP 7018 Specialised Studies B	3
SIP 7019 Specialised Studies C	3
SIP 7020 Specialised Studies D	3
SIP 7023 Satellite Communications	3
SIP 7026 Mathematical Coding & Cryptology	3

Specialised Studies may consist of directed readings or approved short courses as approved by the Board of Studies. The content and assessment of these courses will be determined in each case by the academic coordinator of the course in consultation with the student's supervisor and the student.

(c) other relevant courses as approved by the Board of Studies from other postgraduate programs of the University.

(iv) Supervised Project Work

DEFSCI 7016 Master of Sciences (Defence) Research Project	12

5.3.2 Students who are required to undertake preliminary work will normally enrol in one of the following courses:

SIP 7027A/B Qualifying Studies in Mathematics Part 1 & 2	24
SIP 7028 Qualifying Studies in Mathematics	12

On satisfactory completion of this work the student will proceed to study as outlined in 6.3.1 above.

5.3.3 Candidates who are granted exemption from one or more of the courses listed in 6.3.1 (ii) and (iii) on the basis of previous studies may select in their place other relevant courses offered by the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Board of Studies.

5.3.4 The availability of all courses is conditional on there being adequate staffing and resources.

5.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the Board of Studies special circumstances exist, the Board in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the program coordinator early in the year in which the program is being offered regarding the content of the specific courses that are to be offered in that year.

textbooks

Information on appropriate textbooks will be provided by the course coordinator at the commencement of each course.

examinations

For each course students may obtain from the course coordinator details of the examination in that course including the relevant weight given to the components (eg. such as the following as are relevant: assessments, semester or mid-semester tests, essays or other written or practical work, final written examinations, viva voce examinations).

Master of Science in Mathematical and Computer Sciences

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p. 8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 Further to Rules 5.1 a and b of the General Program Rules, the following persons may become candidates for the degree of Master of Science in Mathematical and Computer Sciences:

(a) (i) Bachelors of Arts

(ii) Bachelors of Science

(b) Persons who have obtained an Honours degree from a University in a suitable Mathematics or Computer Science discipline, or a qualification deemed by the Board of Research Education and Development to be equivalent

2.2 Academic program

To qualify for the degree, a candidate shall satisfactorily complete a program of study consisting of one of the following approved options:

(a) a candidate shall submit a thesis upon an approved course and shall adduce sufficient evidence that the thesis is his/her own work. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged. A candidate may also submit other contributions to mathematical sciences in support of his/her candidature

(b) a candidate shall pursue a program of advanced study comprising one-third coursework* and two-thirds research and shall submit a thesis describing the results of this research. The thesis while subject to the same conditions as those applying under option (a) would normally be of a less substantial character.

*This represents courses to the value of 8 units per year for full-time candidates or equivalent part-time.

2.3 Courses of study

Courses listed in the Academic Program Rules of Masters degrees in Mathematical Sciences and deemed suitable for the degree by the Board.

Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities and sufficient enrolments.

2.4 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Board, contains a substantial amount of the same material: and no course or portion of a course may be counted twice towards an award.

Master of Software Engineering

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the permission of the Faculty, the courses of study and, if required, the project report shall be completed on a full-time basis in not less than the following duration:

(a) for students required by rule 5.4 below to complete courses to the value of at least 48 units: two years *or*

(b) for students required by rule 5.4 below to complete courses to the value of at least 36 units: one and a half years.

2 Admission

2.1 The Faculty may accept as a candidate for the degree any person who has completed one of the following at the University of Adelaide:

(a) the degree of Bachelor of Computer Science or Bachelor of Mathematical and Computer Sciences with a major in Computer Science including the course COMP SCI 3006 Software Engineering and Project or the Bachelor of Information Science with a major in Computer Science including the course COMP SCI 3006 Software Engineering and Project or the Graduate Diploma in Computer Science *or*

(b) the Honours degree of Bachelor of Mathematical and Computer Sciences in Computer Science or the Honours degree of Bachelor of Computer Science or the degree of Master of Computer Science *or*

(c) the degree of Bachelor of Engineering in Computer Systems Engineering or Bachelor of Engineering in Information Technology and Telecommunications or Master of Engineering (Information Technology and Telecommunications) or Bachelor of Engineering with a major in Computer Science which includes the courses COMP SCI 3006 Software Engineering and Project and COMP SCI 3004 Operating Systems.

2.2 The Faculty may accept as a candidate for the degree any person who has completed studies at another institution, where those studies are accepted by the University as equivalent to studies specified in 2.1 above.

2.3 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 2.1 or 2.2 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.4 A candidate admitted under 2.3 above may be required to undertake such preliminary work as the Faculty may determine.

2.5 Admission to the program of study for the degree of Master of Software Engineering will be based on a combination of results in university studies, other achievements, and the outcome of an interview.

2.6 Status, exemption and credit transfer

2.6.1 The Faculty may grant status of up to the value of 12 units for studies undertaken within an Honours degree in Computer Science, Master of Computer Science, Master of Engineering (Information Technology & Telecommunications), or a degree of Bachelor of Engineering with Honours with a specialisation in Information Technology undertaken at the University of Adelaide, or within an equivalent degree of another tertiary institution. These candidates will still need to present a minimum of 24 units towards the Master of Software Engineering that have not been presented for any other degree.

2.6.2 Except as provided for in 2.6.1, a candidate may not count towards the degree a course or closely related course or part of a course that has already been presented for another degree or diploma.

3 Enrolment

Each candidate's program of study must be approved by the Dean (or nominee) at enrolment each year. Students may be interviewed to assess their suitability for course choices.

4 Assessment and examinations

4.1 If a course has a Conceded Pass classification for the purpose of another award any such course passed with this classification shall not count towards the requirements for the degree.

4.2 No project report or material presented for any other degree within this or any other institution shall be submitted.

4.3 There shall be four classifications of Pass in each course for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

4.4 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

4.5 A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for exemption.

4.6 A candidate who has twice failed in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

4.7 Review of academic progress

If in the opinion of the Faculty a candidate for the degree is not making satisfactory progress, the Faculty may with the consent of Council, terminate the candidature of the candidate and the candidate shall cease to be enrolled for the degree.

5 Qualification requirements

5.1 A candidate shall:

(a) satisfactorily complete any preliminary work which may be prescribed

(b) satisfy examiners in courses of study prescribed in these rules *and*

(c) where project work is prescribed by these rules, present a satisfactory report on a project approved by the Head of School.

5.2 To complete a course of study a candidate shall, unless exempted by the Head of the School offering the course:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*

(b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the School offering the course may prescribe.

5.3 The program, which shall normally extend over two years of full-time study, consists of three components:

(a) a project

(b) Computer Science courses *and*

(c) Engineering courses.

Courses are divided into two categories: Core, which are compulsory, and Electives, which may be chosen by the student subject to the approval of the Dean (or nominee).

5.4 Academic program

To qualify for the degree a candidate shall satisfactorily complete a program of study comprising a project to the value of 9 units and coursework courses as follows:

(a) for students admitted with the qualification described in Rule 2.1(a) above or the equivalent: courses to the value of at least 15 units from Group A and at least 24 units from Group B as set out in Rule 5.5 below

(b) for students admitted with the qualification described in Rule 2.1(b) above or the equivalent: courses to the value of at least 3 units from Group A and at least 24 units from Group B as set out in Rule 5.5 below

(c) for students admitted with the qualification described in Rule 2.1(c) above or the equivalent who have specialised in Information Technology within that qualification: courses to the value of at least 15 units from Group A and at least 12 units from Group B as set out in Rule 5.5 below

(d) for students admitted with the qualification described in Rule 2.1(c) above or equivalent who have not specialised in Information Technology within that qualification: courses to the value of at least 24 units from Group A and at least 15 units from Group B as set out in Rule 5.5 below.

5.5 Courses of study

Project

COMP SCI 7049A/B Software Engineering Project	9

Group A

core courses

COMP SCI 7065A/B Software Development Studio	6
COMP SCI 7066 Advanced Software Engineering	2
or	
COMP SCI 7074 Software Management Project	3

elective courses

Chosen from courses listed in Academic Program Rule 5.2.2 for the degree of Master of Computer Science

Group B

*elective courses**

Chosen from

COMP SCI 7007 Advanced Software Engineering B	3
COMP SCI 7017 Systems Analysis	3
COMP SCI 7023 Advanced Software Engineering C	3

COMP SCI 7031 Advanced Programming Paradigms	3
COMP SCI 7036 Advanced Software Engineering D	3
COMP SCI 7039 Computer Networks	3
COMP SCI 7041 Compiler Construction & Project	3
COMP SCI 7050 Parallel Computation	3
COMP SCI 7054 Advanced Software Engineering A	3

* not all electives may be offered in any one year

Students may, with the agreement of the Dean (or nominee), be permitted to undertake other courses drawn from existing Level IV, Level V, honours and postgraduate courses in relevant programs, or to enrol in relevant courses offered by the University of South Australia or the Flinders University of South Australia.

5.6 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.7 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Doctor of Engineering

Academic Program Rules

1 (a) Subject to these Academic Program Rules a person who has been admitted in the University of Adelaide to an Honours degree of Bachelor or a degree of Master in Science, Agricultural Science, Applied Science, Engineering or Engineering Science, or to the degree of Doctor of Philosophy in a field of study approved by the Faculty of Engineering, Computer and Mathematical Sciences, may proceed to the degree of Doctor of Engineering.

(b) On the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences the Council may accept as a candidate for the degree a person who has been admitted to a degree in the University of Adelaide other than one named in section (a) of this regulation, or who is a graduate of another university or institution of higher education recognised by the University of Adelaide and has a substantial association with the University; provided that in each case the graduate concerned has, in the opinion of the Faculty, had an adequate engineering training.

(c) On the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences the Board of Research Education and Development, acting with authority wittingly devolved to it by Council may, in special cases, accept as a candidate for the degree a person who does not hold a degree of a university or institution of higher education, provided that in each case the candidate concerned has a substantial association with the University and has, in the opinion of the Faculty adequate engineering credentials.

(d) Except where a person has been accepted as a candidate under regulation 1(c), no person shall be accepted as a candidate for the degree of Doctor of Engineering before the expiration of five years from the date of the original graduation.

2 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager, Graduate Administration and Scholarships, Adelaide Graduate Centre and with such notice shall furnish particulars of the applicant's engineering achievements and of the work to be submitted for the degree.

(b) The Faculty of Engineering, Computer and Mathematical Sciences shall appoint a committee to examine the information submitted and to advise the Faculty on whether the Faculty should:

(i) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted *or*

(ii) advise the applicant not to submit his work: and the Faculty's decision shall be conveyed to the applicant

(c) If it accepts the candidature and approves the subject or subjects of the work to be submitted the Faculty shall nominate examiners of whom one at least shall be an external examiner.

3 (a) To qualify for the degree the candidate shall furnish satisfactory evidence that the candidate has made an original contribution of distinguished merit adding to the knowledge, understanding or practice of any subject with which the Faculty is directly concerned.

(b) The degree shall be awarded primarily on a consideration of such published works as the candidate may submit for examination.

(c) The candidate in submitting published works shall state generally in a preface and specifically in notes the main sources from which the information is derived and the extent to which the candidate has made use of the work of others, especially where joint publications are concerned. The candidate may also signify in general terms the portions of his work which he claims as original.

(d) The candidate is required to indicate what part, if any, of the work has been submitted for a degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre, three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two copies of the work will be transmitted to the University Library.

5 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty of Engineering, Mathematical and Computer Sciences be admitted to the degree of Doctor of Engineering.

6 Notwithstanding anything contained in the preceding rules, the Faculty may recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be award is

accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to the knowledge or understanding of a subject with which the Faculty is directly concerned, of a standard not less than that required by regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 15 January, 1976.

Amended: 4 Feb. 1982: 2 4; 21 Feb. 1991: 1; 13 Feb 1992: 1(d), 2 (a), 3 (a), 3 (b), 3 (c), 3 (d).

Rule approved and Regulation repealed 18 March 1999.

Doctor of Science in the Faculty of Engineering, Computer and Mathematical Sciences

Academic Program Rules

1 (a) Subject to these academic Program Rules a person who has been admitted in the University of Adelaide to an Honours degree of Bachelor of Science or a degree of Master of Science, Arts or Economics, or to the degree of Doctor of Philosophy in a field of study approved by the Faculty of Engineering, Computer and Mathematical Sciences, may proceed to the degree of Doctor of Science in the Faculty of Engineering, Computer and Mathematical Sciences.

(b) On the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences the Board of Research Education and Development acting with authority wittingly devolved to it by Council may accept as a candidate for the degree a person who has been admitted to a degree in the University of Adelaide other than one named in section (a) of this regulation, or who is a graduate of another university or institution of higher education recognised by the University of Adelaide and has a substantial association with the University; provided that in each case the graduate concerned has, in the opinion of the Faculty, had an adequate training in the mathematical sciences.

(c) No person shall be accepted as a candidate for the degree of Doctor of Science in the Faculty of Engineering, Computer and Mathematical Sciences before the expiration of five years from the date of his/her original graduation.

2 (a) A person who desires to become a candidate for the degree shall give notice of his/her intended candidature in writing to the Manager, Graduate Administration and Scholarships and with such notice shall furnish particulars of his/her achievements in the mathematical sciences and of the work which he/she proposes to submit for the degree.

(b) The Faculty of Engineering, Computer and Mathematical Sciences shall appoint a committee to examine the information submitted and to advise the Faculty on whether the Faculty should

(i) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted

or

(ii) advise the applicant not to submit his/her work: and the Faculty's decision shall be conveyed to the applicant.

(c) If it accepts the candidature and approves the subject or subjects of the work to be submitted the Faculty shall nominate examiners of whom one at least shall be an external examiner.

3 (a) To qualify for the degree the candidate shall furnish satisfactory evidence that he/she has made an original contribution of distinguished merit adding to the knowledge or understanding of any subject with which the Faculty is directly concerned.

(b) The degree shall be awarded primarily on a consideration of such of his/her published works as the candidate may submit for examination.

(c) The candidate in submitting his/her published works shall state generally in a preface and specifically in notes the main sources from which his/her information is derived and the extent to which he/she has availed himself of the work of others, especially where joint publications are concerned. He/she may also signify in general terms the portions of his/her work which he/she claims as original.

(d) The candidate is required to indicate what part, if any, of the work he/she has submitted for a degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two of the copies will be transmitted to the University Library.

5 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences, be admitted to the degree of Doctor of Science in the Faculty of Engineering, Mathematical and Computer Sciences.

6 Notwithstanding anything contained in the preceding rules, the Faculty may recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be accompanied by evidence that the person for whom the

award is proposed has made an original and substantial contribution of distinguished merit to the knowledge or understanding of a subject with which the Faculty is directly concerned, of a standard not less than required by regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 28 February, 1974.

Amended: 15 Jan. 1976: 6; 4 Feb. 1982: 2, 4; 21 Feb. 1991: 1.

Rule approved and Regulation repealed 18 March 1999.

Faculty of Humanities and Social Sciences

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Please refer to the Adelaide Graduate Centre for Academic Program Rules 3

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- Professional Certificate in Art History
- Professional Certificate in Coastal Management
- Le Cordon Bleu Professional Certificate in Gastronomy
- Graduate Certificate in Applied Anthropology
- Graduate Certificate in Applied Historical Studies
- Graduate Certificate in Applied Linguistics
- Graduate Certificate in Art History
- Graduate Certificate in Creative Writing
- Graduate Certificate in Environmental Studies
- Le Cordon Bleu Graduate Certificate in Gastronomy
- Graduate Certificate in International Environmental Management
- Graduate Certificate in International Studies
- Graduate Certificate in Population Studies
- Graduate Certificate in Spatial Information Science
- Graduate Diploma in Applied Anthropology
- Graduate Diploma in Applied Historical Studies
- Graduate Diploma in Applied Linguistics
- Graduate Diploma in Art History
- Graduate Diploma in Creative Writing
- Graduate Diploma in Environmental Studies
- Le Cordon Bleu Graduate Diploma in Gastronomy
- Graduate Diploma in International Environmental Management
- Graduate Diploma in International Studies
- Graduate Diploma in Population and Migration Studies
- Graduate Diploma in Spatial Information Science
- Master of Arts
- Master of Arts (Applied Anthropology)
- Master of Arts (Applied Historical Studies)
- Master of Arts (Applied Linguistics)
- Master of Arts (Creative Writing)
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- Master of Arts (International Studies)
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- Master of Arts (Studies in Art History)
- Master of Environmental Studies
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- Master of Spatial Information Science
- Doctor of Letters

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Professional Certificate in Applied Anthropology

Note: Subject to availability

Academic Program Rules

1 Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional Certificate in Applied Anthropology shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Applied Anthropology and be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Applied Anthropology who subsequently satisfy the requirements of the Graduate Certificate in Applied Anthropology must surrender their Professional Certificate before being admitted to the higher award.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any subject for the Professional Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to submit work for assessment unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

4 Qualification requirements

4.1 Academic program

To qualify for the Professional Certificate in Applied Anthropology, a candidate shall complete one of the following courses:

ANTH 5002 Anthropological Practice	6
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ANTH 5004 Social Theory Applications	6
ANTH 5005 An Anthropology of Justice and Law	6
ANTH 5006 Environmentalism: Anthropological Perspectives	6
ANTH 5007 Health: Institutions, Discourses and Power	6

4.2 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Professional Certificate in Art History

Academic Program Rules

1. Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional Certificate in Art History shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Art History and be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Art History who subsequently satisfy the requirements of the Graduate Certificate, Graduate Diploma or Master of Arts (Studies in Art History) must surrender their Professional Certificate before being admitted to the higher award.

2.3.3 A candidate for the Graduate Certificate, Graduate Diploma or Master of Arts (Studies in Art History) who does not complete the requirements for the higher award but satisfies the requirements for the Professional Certificate may be admitted to the Professional Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any subject for the Professional Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to submit work for assessment unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualifications requirements

4.1 Academic program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one course from the program in Art History, as listed below.

ARTH 5200 Studies in European Paintings Connoisseurship	6
ARTH 5201 Studies in Australian Colonial Art	6
ARTH 5202 Studies in Asian Art	6
ARTH 5203 Studies in Australian Art	6
ARTH 5204 Studies in European Art Since the Renaissance	6
ARTH 5208 Studies in Contemporary Art	6
ARTH 5209 Studies in Australian Indigenous Art	6
ARTH 5210 Studies in British Art	6
ARTH 5211 Studies in Decorative Arts	6
ARTH 5212 Studies in Japanese Art	6
ARTH 5213 Studies in South-East Asian Art	6
ARTH 5214 Studies in Modern Art	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Professional Certificate in Coastal Management

Note: Subject to availability

Academic Program Rules

1 Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional Certificate in Coastal Management shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Environmental Studies and be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Coastal Management who subsequently satisfy the requirements of the Graduate Certificate in Environmental Studies must surrender their Professional Certificate before being admitted to the higher award.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any subject for the Professional Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to submit work for assessment unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

4 Qualification requirements

4.1 Academic program

To qualify for the Professional Certificate in Coastal Management, a candidate shall complete the following course:

ENVT 5061 Integrated Coastal Management and Industry Placement	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Le Cordon Bleu Professional Certificate in Gastronomy

Academic Program Rules

1 Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional Certificate in Gastronomy shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Gastronomy and be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Gastronomy who subsequently satisfy the requirements of the Graduate Certificate, Graduate Diploma or Master of Arts (Gastronomy) must surrender their Professional Certificate before being admitted to the higher award.

2.3.3 A candidate for the Graduate Certificate, Graduate Diploma or Master of Arts (Gastronomy) who does not complete the requirements for the higher award but satisfies the requirements for the Professional Certificate may be admitted to the Professional Certificate.

3 Assessment and examination

3.1 There shall be four classifications of pass in any subject for the Professional Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to submit work for assessment unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete the following course:

GAST 5300 Principles of Gastronomy	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Applied Anthropology

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Applied Anthropology shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Diploma in Applied Anthropology, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Applied Anthropology who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Applied Anthropology who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic Program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1.1 Core Course

All candidates shall complete the following core course:

ANTH 5002 Anthropological Practice	6

4.1.2 Elective Courses

All candidates shall complete 6 units selected from the following elective courses:

ANTH 5001 Anthropology for Native Title Practice	6
ANTH 5004 Social Theory Applications	6
ANTH 5005 An Anthropology of Justice and Law	6

ANTH 5006 Environmentalism: Anthropological Perspectives	6
ANTH 5007 Health: Institutions, Discourses and Power	6
ANTH 5008 Research Internship	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Applied Historical Studies

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or no more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Applied Historical Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Applied Historical Studies program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Applied Historical Studies who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Applied Historical Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units as follows:

4.1.1 Core courses

All candidates shall complete the following courses:

HIST 5003 Public History: Principles & Practice	6
HIST 5005 Heritage and History in Contemporary Australia	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Applied Linguistics

Note: Students who commenced the Graduate Certificate prior to 2005, and have yet to complete the requirements of the program, should contact the Faculty of Humanities and Social Sciences office for enrolment and qualifications advice.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Applied Linguistics shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Applied Linguistics program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Applied Linguistics who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Applied Linguistics who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, chosen from the following:

LING 5001 Computer Assisted Language Learning – CALL	6
LING 5004 Language and Meaning	6
LING 5008 Language and the Environment	6
LING 5009 Language Teaching in Specific Settings	6
LING 5010 English for Academic Purposes	6
LING 5011 Language and Learning	6
LING 5030 Language and Communication Planning	6
LING 5059 Special Topic in Linguistics	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Art History

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Art History shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Diploma in Art History and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Art History who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Art History who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1.1 Core courses

One course from the following:

ARTH 5202 Studies in Asian Art	6
ARTH 5203 Studies in Australian Art	6
ARTH 5204 Studies in European Art Since the Renaissance	6

4.1.2 Elective courses

One course from the following:

ARTH 5200 Studies in European Paintings Connoisseurship	6
ARTH 5201 Studies in Australian Colonial Art	6
ARTH 5208 Studies in Contemporary Art	6
ARTH 5209 Studies in Australian Indigenous Art	6
ARTH 5210 Studies in British Art	6

ARTH 5211 Studies in Decorative Arts	6
ARTH 5212 Studies in Japanese Art	6
ARTH 5213 Studies in South-East Asian Art	6
ARTH 5214 Studies in Modern Art	6

4.1.3 Students may also present another core course from those listed in 4.1.1 as an elective.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Creative Writing

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Creative Writing shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, and present a suitable portfolio of creative writing. Selection into the program is based on previous academic achievement and assessment of the portfolio of creative writing.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Creative Writing program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Creative Writing who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Creative Writing who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic Program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

All candidates shall complete

ENGL 5001 Work in Progress	8
ENGL 5002 Creative Writing Study A	4

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Environmental Studies

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Environmental Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and is allowed to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Environmental Studies program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Environmental Studies who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Environmental Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to be assessed, by examination or otherwise, shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1.1 Core course

ENVT 5036 Principles of Environmentalism	6

4.1.2 Elective courses

All candidates shall complete an elective course from the following:

ENVT 5012 Environmental Information Systems	6
ENVT 5013 Biodiversity Conservation	6
ENVT 5018 Environmental Impact Assessment	6
ENVT 5023 Contested Country: Managing the Australian Landscape	6
ENVT 5025 Environmental Professional Internship	6
ENVT 5030 Environmental Policy	3
ENVT 5037 Special Topic in Environmental Studies	6
ENVT 5039 Sustainable Tourism Management	6

ENVT 5040 Australian Landscape Evolution	6
ENVT 5042 Environmental History	6
ENVT 5043 Environmental Communication	6
ENVT 5061 Integrated Coastal Management	6
ENVT 5090 Environmental Security	6
GEOG 5047 Resource Management in Asia and the Pacific	6
GEOG 5048 Biodiversity and Environmental Change	6
ENVT 5059 Global Landscapes	6
GEOG 5067 Population and the Environment	6

4.1.3 Where the core course is not available in a given semester, students may, in consultation with the program coordinator, substitute an additional elective course to satisfy the requirements of the Certificate.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Le Cordon Bleu Graduate Certificate in Gastronomy

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, an oncampus candidate shall normally complete the program in one semester, based on a study load of 24 units per year. An online candidate shall normally complete the program in one year, based on a study load of 12 units per year.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Gastronomy shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Diploma in Gastronomy and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Gastronomy who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Gastronomy who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1.1 Core courses

All candidates shall complete the following courses:

GAST 5300 Principles of Gastronomy	6
GAST 5301 Food and Drink in Contemporary Western Society	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in International Environmental Management

This program is offered jointly with the United Nations Environment Program, and is currently available to students enrolled through the Ngee Ann – Adelaide Education Centre only.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the course of study for the Graduate Certificate in International Environmental Management shall have qualified for a degree of the University or for a degree of another university or institution accepted for the purpose by the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Diploma in International Environmental Management and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in International Environmental Management who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in International Environmental Management who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate in International Environmental Management, a candidate shall satisfactorily complete courses to the value of 12 units chosen from the following:

ENVT 5001NA Environmental Audit	3
ENVT 5010NA Environmental Impact Assessment	3
ENVT 5013NA Biodiversity Conservation	3
ENVT 5014 NA Environmental Management Challenge	3
ENVT 5016 NA Environmental Management Systems	3

ENVT 5019NA Environmental Project Management	3
ENVT 5033NA Issues in Sustainable Development	3
ENVT 5035NA Cleaner Production	3
ENVT 5038NA Special Study in Environmental Management	3
ENVT 5060NA Environmental Futures	3
GISC 5009NA Introduction to Spatial Information Systems	3

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in International Studies

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in International Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in International Studies program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in International Studies who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in International Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete courses to the value of 12 units as follows:

4.1.1 Core course

One from:

INST 5000 Approaches and Issues in International Studies	6
INST 5001 International Politics in the Post Cold War World	6

4.1.2 Elective courses

One of the following courses:

INST 5002 International Studies Option	6
PHIL 5000 Applied Ethics	6

Students may present an additional core course as an elective.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Population Studies

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Population Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Population and Migration Studies program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Population Studies who subsequently satisfy the requirements of the Graduate Diploma in Population and Migration Studies must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Population and Migration Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units as follows:

4.1.1 Core course

GEOG 5068 Population Data Analysis	6

4.1.2 Elective courses

Once course from the following:

GEOG 5049 Applied Demography	6
GEOG 5054 Demography of the Family	6
GEOG 5059 Global International Migration	6
GEOG 5089 Population Studies	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Spatial Information Science

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Spatial Information Science shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Spatial Information Science program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Spatial Information Science who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Spatial Information Science who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to a total of 12 units, as follows:

GISC 5008 Introduction to Spatial Data Models	3
GISC 5009 Introduction to Spatial Information Systems	3
GISC 5013 Spatial Data Modelling & Analysis	3
GISC 5014 Spatial Data Visualisation	3

Alternative courses may be made available as appropriate, depending on students' previous study or employment history.

GISC 5015 Special Topic in Spatial Data Models	3
GISC 5016 Special Topic in Spatial Data Modelling and Analysis	3
GISC 5017 Special Topic in Spatial Data Visualisation	3
GISC 5018 Special Topic in Spatial Information Systems	3

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Applied Anthropology

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma in Applied Anthropology shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Certificate in Applied Anthropology (see Rule 2.4 below).

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Applied Anthropology who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Applied Anthropology and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Arts (Applied Anthropology) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1.1 Core courses

All candidates shall complete the following core courses:

ANTH 5002 Anthropological Practice	6
ANTH 5004 Social Theory Applications	6

4.1.2 Elective courses

All candidates shall complete 12 units selected from the following elective courses:

ANTH 5001 Anthropology for Native Title Practice	6
ANTH 5005 An Anthropology of Justice and Law	6
ANTH 5006 Environmentalism: Anthropological Perspectives	6
ANTH 5007 Health: Institutions, Discourses and Power	6
ANTH 5008 Research Internship	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.course that he or she has already presented for another award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Applied Historical Studies

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Applied Historical Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of 2.1 above, but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Applied Historical Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Applied Historical Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Applied Historical Studies and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Arts (Applied Historical Studies) and who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units as follows:

HIST 5001 Practical History Workshop I	6
HIST 5002 Practical History Workshop II	6
HIST 5003 Public History: Principles & Practice	6
HIST 5005 Heritage and History in Contemporary Australia	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Applied Linguistics

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Applied Linguistics shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Applied Linguistics. (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Applied Linguistics who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Applied Linguistics and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Arts (Applied Linguistics) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, chosen from the following:

LING 5001 Computer Assisted Language Learning - CALL	6
LING 5004 Language and Meaning	6
LING 5008 Language and the Environment	6
LING 5009 Language Teaching in Specific Settings	6
LING 5010 English for Academic Purposes	6
LING 5011 Language and Learning	6
LING 5030 Language and Communication Planning	6
LING 5059 Special Topic in Linguistics	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Art History

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma in Art History shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Art History.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Art History who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Art History and who subsequently satisfies the requirement of the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Arts (Studies in Art History) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1.1 Core courses

One course from the following:

ARTH 5202 Studies in Asian Art	6
ARTH 5203 Studies in Australian Art	6
ARTH 5204 Studies in European Art Since the Renaissance	6

4.1.2 Elective courses

Three courses from the following:

ARTH 5200 Studies in European Paintings Connoisseurship	6
ARTH 5201 Studies in Australian Colonial Art	6
ARTH 5206 Art Museum Internship	6
ARTH 5207 Curatorial Placement	6

ARTH 5208 Studies in Contemporary Art	6
ARTH 5209 Studies in Australian Indigenous Art	6
ARTH 5210 Studies in British Art	6
ARTH 5211 Studies in Decorative Arts	6
ARTH 5212 Studies in Japanese Art	6
ARTH 5213 Studies in South-East Asian Art	6
ARTH 5214 Studies in Modern Art	6

4.1.3 Students may also present another core course from those listed in 4.1.1 as an elective.

4.1.4 Students may present only one of the Art Museum Internship or the Curatorial Project for the Graduate Diploma.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Creative Writing

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Creative Writing shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, and present a suitable portfolio of creative writing. Selection into the program is based on previous academic achievement and assessment of the portfolio of creative writing.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Creative Writing (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Creative Writing who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Creative Writing and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Arts (Creative Writing) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

ENGL 5001 Work in Progress	8
ENGL 5002 Creative Writing Study A	4
ENGL 5003 Creative Writing Study B	4
ENGL 5004 Advanced Work in Progress	8

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Environmental Studies

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Environmental Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Environmental Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma who satisfies the requirements for the Graduate Certificate but does not complete the requirements of the Graduate Diploma may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Environmental Studies and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Environmental Studies who does not complete the requirements of the degree, but who satisfies the requirement for the Graduate Diploma may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1.1 Core course

ENVT 5036 Principles of Environmentalism	6

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 18 units selected from the following:

ENVT 5012 Environmental Information Systems	6
ENVT 5013 Biodiversity Conservation	6
ENVT 5018 Environmental Impact Assessment	6
ENVT 5023 Contested Country: Managing the Australian Landscape	6
ENVT 5025 Environmental Professional Internship	6
ENVT 5030 Environmental Policy	6
ENVT 5037 Special Topic in Environmental Studies	6

ENVT 5039 Sustainable Tourism Management	6
ENVT 5040 Australian Landscape Evolution	6
ENVT 5042 Environmental History	6
ENVT 5043 Environmental Communication	6
ENVT 5061 Integrated Coastal Management	6
ENVT 5090 Environmental Security	6
GEOG 5047 Resource Management in Asia and the Pacific	6
GEOG 5048 Biodiversity & Environmental Change	6
ENVT 5059 Global Landscapes	6
GEOG 5067 Population and the Environment	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Le Cordon Bleu Graduate Diploma in Gastronomy

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, an oncampus candidate shall normally complete the program in one year, based on a study load of 24 units per year. An online candidate shall normally complete the program in two years, based on a study load of 12 units per year.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma in Gastronomy shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Certificate in Gastronomy.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those individuals who have completed the Graduate Certificate in Gastronomy.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Gastronomy who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Gastronomy and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Arts (Studies in Gastronomy) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the Master degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1.1 Core courses

All candidates shall complete the following core courses:

GAST 5300 Principles of Gastronomy	6
GAST 5301 Food and Drink in Contemporary Western Society	6
GAST 5302 Gastronomy and Communication	6

4.1.2 Elective courses

All candidates shall complete one of the following elective courses:

GAST 5303 Gastronomic Tourism	6
GAST 5304 Food and Wine Technology	6
GAST 5305 Asian Food History and Culture	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in International Environmental Management

This program is offered jointly with the United Nations Environment Program, and is currently available to students enrolled through the Ngee Ann – Adelaide Education Centre and Research Centre for Eco-Environmental Sciences only.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in International Environmental Management shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in International Environmental Management (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in International Environmental Management who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in International Environmental Management and who subsequently satisfies the requirements for the Graduate Diploma in International Environmental Management must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of International Environmental Management who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, chosen from the following:

ENVT 5001NA Environmental Audit	3
ENVT 5010NA Environmental Impact Assessment	3
ENVT 5013NA Biodiversity Conservation	3
ENVT 5014NA Environmental Management Challenge	3
ENVT 5016NA Environmental Management Systems	3
ENVT 5019NA Environmental Project Management	3
ENVT 5033NA Issues in Sustainable Development	3
ENVT 5035NA Cleaner Production	3
ENVT 5038NA Special Study in Environmental Management	3
ENVT 5060NA Environmental Futures	3
GISC 5009NA Introduction to Spatial Information Systems	3

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in International Studies

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in International Studies shall have qualified for a degree of the University, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in International Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for Graduate Diploma in International Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in International Studies and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Arts (International Studies) who does not complete the requirements of that degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, chosen from the following:

INST 5000 Approaches and Issues in International Studies	6
INST 5001 International Politics in the Post Cold War World	6
INST 5002 Ito International Studies Option*	6

* This course is taken twice towards the degree, with a different topic recorded for each attempt.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Population and Migration Studies

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Population and Migration Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Population Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Population and Migration Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate in Population Studies may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Population and Migration Studies and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Arts (Population and Migration Studies) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units:

4.1.1 Core courses

GEOG 5068 Population Data Analysis	6
GEOG 5089 Population Studies	6

4.1.2 Elective courses

12 units selected from the following:

GEOG 5049 Applied Demography	6
GEOG 5054 Demography of the Family	6
GEOG 5059 Global International Migration	6
GEOG 5067 Population and the Environment	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Spatial Information Science

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Spatial Information Science shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University. Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Spatial Information Science (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Spatial Information Science who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Spatial Information Science and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of Spatial Information Science who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to a total of 24 units, as follows:

4.1.1 Core courses

GISC 5008 Introduction to Spatial Data Models	3
GISC 5009 Introduction to Spatial Information Systems	3
GISC 5011 Research Project SIS	6
GISC 5013 Spatial Data Modelling & Analysis	3
GISC 5014 Spatial Data Visualisation	3

4.1.2 Elective courses

6 units selected from the following

GISC 5001 Advanced Raster Analysis	3
GISC 5006 Field Sampling Techniques	3
GISC 5010 New Technologies in GIS	3

GISC 5012 Social Applications in GIS	3
GISC 5015 Special Topic in Spatial Data Models	3
GISC 5016 Special Topic in Spatial Data Modeling and Analysis	3

Alternative courses may be made available as appropriate, depending on students' previous study or employment history.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Arts

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 Further to Rule 5.1 of the General Academic Program Rules, an Honours degree in the respective discipline or approved cognate discipline, at IIA or higher, will normally be required for admission to the degree of Master of Arts.

2.2 Submission of thesis

Further to Rule 14.3 of the General Academic Program Rules, the degree of Master of Arts shall not be awarded on the basis of a portfolio of publications in lieu of a research thesis.

Master of Arts (Applied Anthropology)

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Arts (Applied Anthropology) shall

(a) have qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in Applied Anthropology with results of at credit level or higher.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Diploma in Applied Anthropology (see Rule 2.4 below).

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Applied Anthropology.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (Applied Anthropology) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Applied Anthropology and who subsequently satisfies the requirements for the Master of Arts (Applied Anthropology) must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1.1 Core courses

All candidates shall complete the following core courses:

ANTH 5002 Anthropological Practice	6
ANTH 5004 Social Theory Applications	6

4.1.2 Elective courses

All candidates shall complete 12 units selected from the following elective courses:

ANTH 5001 Anthropology for Native Title Practice	6
ANTH 5005 An Anthropology of Justice and Law	6
ANTH 5006 Environmentalism: Anthropological Perspectives	6
ANTH 5007 Health: Institutions, Discourses and Power	6
ANTH 5008 Research Internship	6

4.1.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the dissertation:

ANTH 5501 Dissertation in Applied Anthropology F/T	12
ANTH 5502A/B Dissertation in Applied Anthropology P/T	12

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Arts (Applied Historical Studies)

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the degree a student shall satisfactorily complete a program of three semesters of full-time study or not more than three years of continuous part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Arts (Applied Historical Studies) shall:

(a) have qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in Applied Historical Studies at Credit level or higher.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Applied Historical Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (Applied Historical Studies) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Applied Historical Studies and who subsequently satisfies the requirements for the Master of Arts (Applied Historical Studies) must surrender the Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the degree of Master of Arts (Applied Historical Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for for the degree of Master of Arts (Applied Historical Studies) candidates shall complete a program of study to a total of 36 units as follows:

4.1.1 Coursework courses

All students shall satisfactorily complete the following:

HIST 5001 Practical History Workshop I	6
HIST 5002 Practical History Workshop II	6

HIST 5003 Public History: Principles & Practice	6
HIST 5005 Heritage and History in Contemporary Australia	6

4.1.2 Special Research Project

All students shall complete one 12 unit Research Project of up to 20,000 words:

either

HIST 5500 Research Project in Applied Historical Studies F/T	12

or

HIST 5501A/B Research Project in Applied Historical Studies P/T	12

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Faculty, after it has been passed and accepted for the degree.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Arts (Applied Linguistics)

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete one and a half years of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Arts (Applied Linguistics) shall have:

(a) qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) qualified for a Graduate Diploma in Applied Linguistics at a Credit level or higher.

Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Applied Linguistics (see Rule 2.3 below).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (Applied Linguistics) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Applied Linguistics and who subsequently satisfies the requirements for the Master of Arts (Applied Linguistics) must surrender the Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the degree of Master of Arts (Applied Linguistics): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, comprising courses to the value of 24 units chosen from the list below, and the Dissertation:

LING 5001 Computer Assisted Language Learning - CALL	6
LING 5004 Language and Meaning	6
LING 5008 Language and the Environment	6

LING 5009 Language Teaching in Specific Settings	6
LING 5010 English for Academic Purposes	6
LING 5011 Language and Learning	6
LING 5030 Language and Communication Planning	6
LING 5059 Special Topic in Linguistics	6

4.1.1 No candidate will be permitted to count for the award any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

4.1.2 Dissertation

All candidates shall complete either the full-time or the part-time version of the dissertation:

LING 5501 Dissertation in Linguistics (F/T)	12
or	
LING 5502A/B Dissertation in Linguistics (P/T)	12

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Faculty, after it has been passed and accepted for the degree.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Arts (Creative Writing)

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising two years of full-time study or not more than four years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Arts (Creative Writing) shall

(a) have qualified for the Graduate Diploma in Creative Writing at a standard acceptable to the School or have qualified for a degree of the University, at an appropriate standard in an approved field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *and*

(b) have presented a suitable portfolio of creative writing.

Selection into the program is based on previous academic achievement and assessment of the portfolio of creative writing.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Creative Writing (see Rule 2.4 below).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (Creative Writing) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Creative Writing and who subsequently satisfies the requirements for the Master of Arts (Creative Writing) must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a Credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for the degree of Master of Arts (Creative Writing), a candidate shall satisfactorily complete courses to the value of 48 units, as follows:

4.1.1 Core courses

All candidates shall complete the following courses:

ENGL 5001 Work in Progress	8
ENGL 5002 Creative Writing Study A	4
ENGL 5003 Creative Writing Study B	4
ENGL 5004 Advanced Work in Progress	8

4.1.2 Dissertation

All candidates shall complete the following course:

ENGL 5500A/B Creative Writing Dissertation	24

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Faculty, after it has been passed and accepted for the degree.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Le Cordon Bleu Master of Arts (Gastronomy)

Academic Program Rules

1 Duration of program

To qualify for the degree, an oncampus candidate shall normally complete the program in one and half years, based on a study load of 24 units per year. An online candidate shall normally complete the program in three years, based on a study load of 12 units per year.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Arts (Gastronomy) shall:

(a) have qualified for a degree of the University, at an appropriate standard in an approved field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in Gastronomy with results of at credit level or higher.

Selection into the program is based on previous academic achievement.

2.2 The Faculty may, course to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Diploma in Gastronomy (see Rule 2.4 below).

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Gastronomy.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (Gastronomy) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Gastronomy and who subsequently satisfies the requirements for the Master of Arts (Gastronomy) must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1.1 Core courses

All candidates shall complete the following core courses:

GAST 5300 Principles of Gastronomy	6
GAST 5301 Food and Drink in Contemporary Western Society	6
GAST 5302 Gastronomy and Communication	6

4.1.2 Elective courses

All candidates shall complete one of the following elective courses:

GAST 5303 Gastronomic Tourism	6
GAST 5304 Food and Wine Technology	6
GAST 5305 Asian Food History and Culture	6

4.1.3 Dissertation/Research Projects

All candidates shall complete either the full-time or the part-time version of the dissertation:

GAST 5530 Dissertation in Gastronomy F/T	12
GAST 5531A/B Dissertation in Gastronomy P/T	12

or

two research projects to a total of 12 units:

GAST 5532 Research Project in Gastronomy A	6
GAST 5533 Research Project in Gastronomy B	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Arts (International Studies)

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Arts (International Studies) shall:

(a) have qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in International Studies at Credit level or higher.

Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in International Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (International Studies) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the of Graduate Diploma in International Studies and who subsequently satisfies the requirements for the Master of Arts (International Studies) must surrender the Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the degree of Master of Arts (International Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for the degree of Master of Arts (International Studies), a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1.1 Core courses

All candidates shall complete the following:

INST 5000 Approaches and Issues in International Studies	6
INST 5001 International Politics in the Post Cold War World	6
INST 5002 Ito International Studies Option*	6

* This course is taken twice towards the degree, with a different topic recorded for each attempt.

4.1.2 Dissertation

All candidates shall complete either the full-time or the part-time version of the dissertation:

INST 5500 Dissertation in International Studies F/T	12
INST 5501A/B Dissertation in International Studies P/T	12

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Faculty, after it has been passed and accepted for the degree

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Arts (Population and Migration Studies)

Note: This program will not be offered in 2005

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Arts (Population and Migration Studies) shall:

(a) have qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for a Graduate Diploma in Population and Migration Studies at a Credit level or higher.

(c) Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with the special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Population and Migration Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (Population and Migration Studies) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Population and Migration Studies and who subsequently satisfies the requirements for the Master of Arts (Population and Migration Studies) must surrender the Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Master of Arts (Population and Migration Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a Credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows.

4.1.1 Core courses

All candidates shall complete the following courses:

GEOG 5068 Population Data Analysis	6
GEOG 5089 Population Studies	6

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 12 units selected from the following:

GEOG 5049 Applied Demography	6
GEOG 5054 Demography of the Family	6
GEOG 5059 Global International Migration	6
GEOG 5067 Population and the Environment	6

4.1.3 Research project

All candidates shall complete either the full-time or the part-time version of the following course:

GEOG 5500 Research Project in Population and Migration Studies F/T	12

or

GEOG 5501A/B Research Project in Population and Migration Studies P/T	12

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Arts (Studies in Art History)

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or no more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Arts (Studies in Art History) shall:

(a) have qualified for an Honours degree of the University at IIA level or higher, in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in Art History with results of at Distinction level or higher.

Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Diploma in Art History (see Rule 2.4 below).

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Art History.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (Studies in Art History) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Art History and who subsequently satisfies the requirements for the Master of Arts (Studies in Art History) must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a Distinction average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Academic Program requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, chosen as follows:

4.1.1 Core courses

One course from the following:

ARTH 5202 Studies in Asian Art	6
ARTH 5203 Studies in Australian Art	6
ARTH 5204 Studies in European Art Since the Renaissance	6

4.1.2 Elective courses

Three courses from the following:

ARTH 5200 Studies in European Paintings Connoisseurship	6
ARTH 5201 Studies in Australian Colonial Art	6
ARTH 5206 Art Museum Internship	6
ARTH 5207 Curatorial Placement	6
ARTH 5208 Studies in Contemporary Art	6
ARTH 5209 Studies in Australian Indigenous Art	6
ARTH 5210 Studies in British Art	6
ARTH 5211 Studies in Decorative Arts	6
ARTH 5212 Studies in Japanese Art	6
ARTH 5213 Studies in South-East Asian Art	6
ARTH 5214 Studies in Modern Art	6

4.1.3 Students may also present another core course from those listed in 4.1.1 as an elective.

4.1.4 Students may present only one of the Art Museum Internship or Curatorial Project for the degree.

4.1.5 Dissertation/Research Project

All candidates shall complete either the full-time or the part-time version of the dissertation:

ARTH 5520 Research Project in Art History F/T	12
ARTH 5521A/B Research Project in Art History P/T	12

4.2 To be eligible to have the degree conferred candidates are required to provide three bound copies of the dissertation to the Faculty, after it has been passed and accepted for the degree.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Environmental Studies

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Master of Environmental Studies degree must have:

(a) qualified for a degree from the University, at an appropriate standard in a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University

or

(b) completed the Graduate Diploma in Environmental Studies at Credit level or higher.

Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Environmental Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Environmental Studies who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Environmental Studies and who subsequently satisfies the requirements for the Master of Environmental Studies must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Program of study

To qualify for for the degree of Master of Environmental Studies candidates shall complete a program of study to a total of 36 units as follows:

4.1.1 Core course

ENVT 5036 Principles of Environmentalism	6

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 18 units selected from the following:

ENVT 5012 Environmental Information Systems	6
ENVT 5013 Biodiversity Conservation	6
ENVT 5018 Environmental Impact Assessment	6
ENVT 5023 Contested Country: Managing the Australian Landscape	6
ENVT 5025 Environmental Professional Internship	6
ENVT 5030 Environmental Policy	6
ENVT 5037 Special Topic in Environmental Studies	6
ENVT 5039 Sustainable Tourism Management	6
ENVT 5040 Australian Landscape Evolution	6
ENVT 5042 Environmental History	6
ENVT 5043 Environmental Communication	6
ENVT 5090 Environmental Security	6
ENVT 5061 Integrated Coastal Management	6
GEOG 5047 Resource Management in Asia and the Pacific	6
GEOG 5048 Biodiversity & Environmental Change	6
ENVT 5059 Global Landscapes	6
GEOG 5067 Population and the Environment	6

4.1.3 Dissertation

All candidates shall complete one of the following courses:

ENVT 5503 Environmental Research Methodology and Project F/T	12
or	
ENVT 5504A/B Environmental Research Methodology and Project P/T	12

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Facultyt, after the dissertation has been passed and accepted for the degree.

4.3 Unacceptable combination of courses

No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of International Environmental Management

his program is offered jointly with the United Nations Environment Program, and is currently available to students enrolled through the Ngee Ann – Adelaide Education Centre and Research Centre for Eco-Environmental Sciences only.

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of International Environmental Management shall:

(a) have qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

(b) have qualified for the Graduate Diploma in International Environmental Management at credit level or higher.

Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in International Environmental Management (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of International Environmental Management who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in International Environmental Management and who subsequently satisfies the requirements for the Master of International Environmental Management must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, chosen from the following:

4.1.1 Coursework

All candidates shall complete 24 units from the following:

ENVT 5001NA Environmental Audit	3
ENVT 5010NA Environmental Impact Assessment	3
ENVT 5013NA Biodiversity Conservation	3
ENVT 5014NA Environmental Management Challenge	3
ENVT 5016NA Environmental Management Systems	3
ENVT 5019NA Environmental Project Management	3
ENVT 5033NA Issues in Sustainable Development	3
ENVT 5035NA Cleaner Production	3
ENVT 5038NA Special Study in Environmental Management	3
ENVT 5060NA Environmental Futures	3
GISC 5009NA Introduction to Spatial Information Systems	3

4.1.2 Dissertation

All candidates shall complete either the full-time or the part-time version of the dissertation:

ENVT 5500NA Dissertation in Int.Environmental Management F/T	12
ENVT 5502NA A/B Dissertation in Int.Environmental Management P/T	12

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Spatial Information Science

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Master of Spatial Information Science degree must have:

(a) qualified for a degree from the University at an acceptable standard in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) completed the Graduate Diploma in Spatial Information Science at Credit level or higher.

Selection into the program is based on previous academic achievement.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Spatial Information Science (see Rule 2.4 below).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Spatial Information Science who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the of Graduate Diploma in Spatial Information Science and who subsequently satisfies the requirements for the Master of Spatial Information Science must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to to be assessed by examination or otherwise shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for for the degree of Master of Spatial Information Science candidates shall complete a program of study to a total of 36 units as follows:

4.1.1 Core courses

GISC 5008 Introduction to Spatial Data Models	3
GISC 5009 Introduction to Spatial Information Systems	3
GISC 5011 Research Project SIS	6
GISC 5013 Spatial Data Modelling & Analysis	3
GISC 5014 Spatial Data Visualisation	3

4.1.2 Elective courses

6 units selected from the following:

GISC 5001 Advanced Raster Analysis	3
GISC 5006 Field Sampling Techniques	3
GISC 5010 New Technologies in GIS	3
GISC 5012 Social Applications in GIS	3
GISC 5015 Special Topic in Spatial Data Models	3
GISC 5016 Special Topic in Spatial Data Modeling and Analysis	3

Alternative courses may be made available as appropriate, depending on students' previous study or employment history.

4.1.3 Research project

All candidates shall complete either the full-time or the part-time version of the dissertation:

GISC 5501 Dissertation SIS F/T	12
GISC 5502A/B Dissertation SIS P/T	12

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Faculty, after it has been passed and accepted for the degree.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Doctor of Letters

Academic Program Rules

1 (a) The Faculty of Humanities and Social Sciences may accept as a candidate for the degree of Doctor of Letters a person who has qualified for any degree in the University of Adelaide.

(b) On the recommendation of the Faculty of Humanities and Social Sciences, the Board of Research Education and Development may accept as a candidate for the degree a person who

(i) has obtained in another university or tertiary institution a qualification accepted for the purpose by the University as equivalent to a degree of the University *and*

(ii) has, or has had, a substantial association with the University.

(c) No person may be admitted to the degree of Doctor of Letters until five years after the date on which he or she obtained the qualification prescribed in (a) or (b)(i) above.

2 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager, Graduate Administration and Scholarships and provide details of his or her scholarly achievements and of the work which he or she proposes to submit for the degree.

(b) The Faculty of Humanities and Social Sciences shall examine the information submitted and decide whether or not to allow the applicant to proceed.

(c) If the Faculty accepts the candidature it shall nominate examiners, at least two of whom shall be external examiners.

3 (a) To qualify for the degree the candidate shall provide satisfactory evidence that he or she has made an original and substantial contribution of distinguished merit to the knowledge or understanding of any discipline with which the Faculty is directly concerned.

(b) The degree shall be awarded primarily on consideration of his or her published works as a candidate submitted for examination, but the examiners may take into account any unpublished original work that he or she may submit in support of his or her candidature.

(c) The candidate in submitting his or her work shall, where applicable, state generally in a preface and specifically in notes the main sources from which his or her information is derived and the extent to which he or she has availed him or herself of the work of others, especially where joint publications are concerned. He or she may also signify in general terms the portions of his or her work which he or she claims as original.

(d) The candidate shall indicate what part, if any, of his or her works has already been submitted for a degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre three copies of the works submitted for the degree, any unpublished work being prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two of the copies will be transmitted to the University Library.

5 A candidate who complies with the conditions of the award and satisfies the examiners may, on the recommendation of the Faculty of Humanities and Social Sciences, be admitted to the degree of Doctor of Letters.

6 Notwithstanding anything contained in the preceding rules, the Faculty may recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to the knowledge or understanding of a discipline with which the Faculty is directly concerned, of a standard not less than that required by regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 16 December, 1971.

Amended 15 January, 1976: 6. 21 Feb. 1991: 1(b).

Rule approved and Regulation repealed 18 March 1999.

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- Master of Laws
- Doctor of Laws

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Professional Certificate in Mediation

Academic Program Rules

1 Duration of course

To qualify for the Professional Certificate in Mediation, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional Certificate in Mediation shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Professional Certificate in Mediation a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Professional Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 4 points of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any subject for the Professional Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

To qualify for the Professional Certificate, a candidate shall satisfactorily complete subjects to the value of 6 points, as follows:

4.1 Academic program

All candidates shall complete the following courses:

LAW 5009 Alternative Dispute Resolution	4
LAW 5010 Accreditation for Mediators	2

4.2 No candidate will be permitted to count for the Professional Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Business Law

Academic Program Rules

1 Duration of Program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or equivalent part-time. The maximum time permitted for completion of the program is eight years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Business Law shall have qualified for a Bachelor degree of the University of Adelaide or a Bachelor of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may subject to such conditions as it sees fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake the work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 The Faculty may grant credit towards the program as follows:

(a) Up to a maximum of 18 units completed towards a comparable Master of Business Law degree of another tertiary institution accepted by the Faculty for the purpose as equivalent *or*

(b) Up to a maximum of 9 units completed towards a comparable degree of the University of Adelaide

(c) Up to a maximum of 12 units completed towards a Bachelor of Laws degree

2.3.2 A candidate, who fails a course and wishes to repeat that course shall, unless partially exempted by the Dean of the Law School or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification Requirements

4.1 A candidate shall satisfactorily complete courses from the Master of Business Law to the value of 36 units, as follows:

(a) 12 units of Foundation courses

(b) 24 units of Advanced courses

4.2 The Master of Business Law courses* are listed as follows:

Foundation courses:

LAW 7092 Contractual Relations	4
LAW 7093 Negligence and Intentional Wrongs	4
LAW 7094 Principles of Australian Law	4

Advanced courses

LAW 7055 Comparative Corporate Rescue Law PG)	3
LAW 7056 Competition Law: Comparative Perspectives (PG)	3
LAW 7057 Corporate Governance (PG)	3
LAW 7058 Dispute System Design and Implementation (PG)	3
LAW 7059 European Union Law (PG)	3
LAW 7060 Federal Criminal Law (PG)	3
LAW 7061 Globalisation and the Legal Regulation of Work (PG)	3
LAW 7062 Global Issues in Intellectual Property Law (PG)	3
LAW 7063 Government Business and Regulation (PG)	3
LAW 7064 Intellectual Property Law (PG)	3
LAW 7065 International Commercial Arbitration (PG)	3
LAW 7066 International Conflicts of Law (PG)	3
LAW 7067 International Criminal Law (PG)	3
LAW 7068 International Energy Law (PG)	3
LAW 7069 International Law (PG)	3
LAW 7070 International Trade Law (PG)	3
LAW 7071 Superannuation Law (PG)	3
LAW 7072 The Law of Work in the New Economy PG)	3
LAW 7073 Transnational Crime and Terrorism (PG)	3
LAW 7074 Transitional Justice (PG)	3
LAW 7075 Wine Law (PG)	3

LAW 7076 World Economic Law (PG)	3
LAW 7078 Revenue Law (PG)	3
LAW 7079 Corporate Law (PG)	3

Any other course approved by the Program coordinator.

* Not all courses will be offered in any one calendar year.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Business Law/Master of Commerce
Master of Business Law/Master of Commerce (Accounting)
Master of Business Law/Master of Commerce (Applied Finance)
Master of Business Law/Master of Commerce (Marketing)

Academic Program Rules

1 Duration of Program

To qualify for the combined degree, a candidate shall satisfactorily complete a program of study comprising five semesters of full-time study or equivalent part-time. The maximum time permitted for completion of the program is eight years.

2 Admission requirements

2.1 An applicant for admission shall have qualified for a Bachelor degree of the University of Adelaide or a Bachelor of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may subject to such conditions as it sees fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake the work for the degree.

2.3 On satisfying the admission requirements for entry to the Master of Business Law/Master of Commerce, students will enrol in a program of study to allow them to qualify for one of the following degrees:

Master of Business Law/Master of Commerce

Master of Business Law/Master of Commerce (Accounting)

Master of Business Law/Master of Commerce (Applied Finance)

Master of Business Law/Master of Commerce (Marketing)

2.4 Status, exemption and credit transfer

2.4.1 The Faculty may grant exemptions towards the program up to a total value of 12 units where in the opinion of the Executive Dean of the Professions, the candidate has already presented a course or courses for another award that contain(s) substantially the same material. All exemptions must be replaced by courses selected from the same discipline area. For the purposes of fulfilling the requirements of Accounting, Applied Finance or Marketing a minimum of 15 units of new courses from the relevant discipline must be selected that have not been presented towards another degree.

2.4.2 No candidate shall be granted status for courses with a total value of more than 12 units on account of courses presented for any other award except with permission of the Executive Dean of the Professions.

2.4.3 A candidate, who fails a course and wishes to repeat that course shall, unless partially exempted by the Executive Dean of the Professions, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the combined degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

For the purposes of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom the Executive Dean of the Professions, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3.4 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualifications Requirements

4.1 A candidate shall satisfactorily complete courses to the value of 60 units, as follows:

4.1.1 Foundation courses

24 units of foundation courses:

ACCTING 7000 Accounting and Decision Making (M)	3
COMMERCE 7033 Quantitative Methods (M)	3
ECON 7200 Economic Principles (M)	3
LAW 7092 Contractual Relations	4
LAW 7093 Negligence and Intentional Wrongs	4
LAW 7094 Principles of Australian Law	4
and (compulsory for Marketing)	
MARKETNG 7005 Marketing Principles (M)	3
or	
COMMERCE 7005 Principles of Finance	3

4.1.2 Business Law courses

18 units of Business Law courses selected from:

LAW 7055 Comparative Corporate Rescue Law PG)	3
LAW 7056 Competition Law: Comparative Perspectives (PG)	3
LAW 7057 Corporate Governance (PG)	3
LAW 7058 Dispute System Design and Implementation (PG)	3
LAW 7059 European Union Law (PG)	3
LAW 7060 Federal Criminal Law (PG)	3
LAW 7061 Globalisation and the Legal Regulation of Work (PG)	3
LAW 7062 Global Issues in Intellectual Property Law (PG)	3
LAW 7063 Government Business and Regulation (PG)	3
LAW 7064 Intellectual Property Law (PG)	3
LAW 7065 International Commercial Arbitration (PG)	3
LAW 7066 International Conflicts of Law (PG)	3
LAW 7067 International Criminal Law (PG)	3
LAW 7068 International Energy Law (PG)	3
LAW 7069 International Law (PG)	3
LAW 7070 International Trade Law (PG)	3
LAW 7071 Superannuation Law (PG)	3
LAW 7072 The Law of Work in the New Economy PG)	3
LAW 7073 Transnational Crime and Terrorism (PG)	3
LAW 7074 Transitional Justice (PG)	3
LAW 7075 Wine Law (PG)	3
LAW 7076 World Economic Law (PG)	3
LAW 7078 Revenue Law (PG)	3
LAW 7079 Corporate Law (PG)	3

Any other course approved by the Executive Dean of the Professions or nominee.

* Not all courses will be offered in any one calendar year.

4.1.3 Commerce courses

18 units of Commerce courses of which at least 12 units must be selected from one discipline:

Accounting

ACCTING 7008 Financial Accounting Issues (M)*#	3
ACCTING 7009 Auditing and Assurance Services (M)*	3
ACCTING 7010 Corporate Accounting (M)*#	3
ACCTING 7012 Commercial Law and Accounting Regulation (M)*#	3
ACCTING 7014 Management Accounting (M)*#	3
ACCTING 7015 Advanced Financial Reporting (M)	3
ACCTING 7017 Financial Statement Analysis (M)	3
ACCTING 7018 Public Sector and Not-For-Profit Accountability (M)	3
COMMERCE 7036 Knowledge Management and Measurement (M)	3
COMMLAW 7011 Corporate Law (M)*#	3
COMMLAW 7013 Income Taxation (M) *	3
COMMLAW 7016 Business Taxation and GST (M)	3
CORPFIN 7044 Financial Planning (M)	3

* All seven courses are required for eligibility to the CA program.

All five courses are required for eligibility to the CPA program.

Applied Finance

ACCTING 7017 Financial Statement Analysis (M)	3
CORPFIN 7019 Portfolio Theory and Management (M)	3
CORPFIN 7020 Options, Futures and Risk Management (M)	3
CORPFIN 7021 Corporate Investment and Strategy (M)	3
CORPFIN 7022 Corporate Finance Theory (M)	3
ECON 7114 Money, Banking and Financial Markets IIID	3
CORPFIN 7039 Equity Valuation and Analysis (M)	3
CORPFIN 7040 Fixed Income Securities (M)	3
CORPFIN 7042 Treasury and Financial Risk Management (M)	3
CORPFIN 7044 Financial Planning (M)	3
ECON 7044 International Finance IIID	3

Marketing

MARKETNG 7023 Consumer Behaviour (M)	3
MARKETNG 7024 International Marketing (M)	3
MARKETNG 7025 Marketing Communications (M)	3
MARKETNG 7026 Marketing Research and Planning (M)	3
MARKETNG 7027 Brand Management (M)	3
MARKETNG 7028 E-Marketing (M)	3
MARKETNG 7029 International Market Entry Strategies (M)	3
MARKETNG 7030 Marketing Ethics (M)	3
MARKETNG 7031 Relationship Marketing (M)	3
MARKETNG 7032 Strategic Marketing (M)	3

Electives

BUSINESS 7000 Social Challenges to Global Business	3
COMMERCE 7034 Project Management (M)	3
COMMERCE 7035 Contemporary Issues in Commerce (M)	3
COMMERCE 7037 Research Methodology in Commerce (M)	3
ECOMMRCE 7004 Internet Commerce (M)	3

4.1.3.1 Master of Business Law/Master of Commerce (Accounting)

18 units of Accounting courses selected from 4.1.3 or such courses as approved by the Executive Dean of the Professions or nominee.

** Students undertaking Income Taxation (M) and Corporate Law (M) may present these courses in lieu of Corporate Law and Revenue Law from the Business Law courses in 4.1.2.

4.1.3.2 Master of Business Law/Master of Commerce (Applied Finance)

18 units of Applied Finance courses selected from 4.1.3 or such courses as approved by the Executive Dean of the Professions or nominee, including:

CORPFIN 7019 Portfolio Theory and Management (M)	3
CORPFIN 7020 Options, Futures and Risk Management (M)	3
CORPFIN 7039 Equity Valuation and Analysis (M)	3
CORPFIN 7040 Fixed Income Securities (M)	3

4.1.3.3 Master of Business Law/Master of Commerce (Marketing)

18 units of Marketing courses selected from 4.1.3 or such courses as approved by the Executive Dean of the Professions or nominee, including:

MARKETNG 7023 Consumer Behaviour (M)	3
MARKETNG 7025 Marketing Communications (M)	3
MARKETNG 7024 International Marketing (M)	3
MARKETNG 7026 Marketing Research and Planning (M)	3
MARKETNG 7030 Marketing Ethics (M)	3
MARKETNG 7032 Strategic Marketing (M)	3

Strategic Marketing (M)* is a capstone course for the Marketing pathway, and as such must be taken in the final semester of study.

4.2 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Comparative Law

A Master of Comparative Law degree is conducted jointly by the Schools of Law at the University of Adelaide and the University of Mannheim, Germany. Enrolment is available at either University. The title of the degree for students enrolled at the University of Adelaide is 'Master of Comparative Law (Adelaide/Mannheim)' and for students enrolled at the University of Mannheim it is 'Master of Comparative Law (Mannheim/Adelaide)'. Courses offered to students enrolled at each University will be offered cross-institutionally to students enrolled at the other University.

Admission as a candidate for the degree of Master of Comparative Law is subject to a quota at each University. If the quota is filled at Mannheim but not at Adelaide, Mannheim students will be permitted to enrol at Adelaide on a fee paying basis. Any students so admitted will be permitted to undertake the dissertation at either University.

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

1.1 Unless the School otherwise approves, a candidate may proceed to the degree by full-time study only.

1.2 Unless the School in any particular case approves an extension of time, a candidate for the degree of Master of Comparative Law (Adelaide/Mannheim) shall complete the requirements for the degree in not more than 18 months form the date of the commencement of candidature.

2 Admission

2.1 The School may accept as a candidate for the degree of Master of Comparative Law (Adelaide/Mannheim) any person who has qualified for:

(a) an Honours degree of Bachelor of Laws or a degree of Bachelor of Laws with Honours of the University of Adelaide

(b) a degree of Bachelor of Laws of the University of Adelaide which the School judges to have been attained at above-average standard

(c) an degree of Bachelor of Laws of the University of Adelaide and who has substantial professional experience or other relevant qualifications *or*

(d) a degree in Law of another university or tertiary institution which, in the opinion of the School is equivalent to any of the degrees contained in 2.1(a) and 2.1(b) above or which, together with any professional or other relevant experience or qualification the person may have, is sufficient to satisfy the School that the person is likely to be able satisfactorily to undertake work for the degree.

2.2 The School may in appropriate cases accept a candidate for the degree of Master of Comparative Law who does not otherwise qualify under this Academic Program Rule but has given evidence satisfactory to the School of capacity to undertake work for the degree.

2.3 Status

A candidate for the degree of Master of Comparative Law (Adelaide/Mannheim) may apply at any time to the School for status, and the School may grant such status as it determines on account of work previously undertaken by the candidate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course of the Master of Comparative Law (Adelaide/Mannheim) as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 The School will appoint an examiner in respect of each dissertation submitted at the School.

3.3 The examiners shall report to the School and may recommend:

(a) that a dissertation is satisfactory *or*

(b) that a dissertation be returned to the candidate for revision and resubmission *or*

(c) that a dissertation is not satisfactory.

4 Qualification requirements

To qualify for the degree of Master of Comparative Law (Adelaide/Mannheim) a candidate shall:

(a) complete satisfactorily three courses as indicated in clause 4.1.3 below

(b) complete satisfactorily ten credit hours of courses designated as open for master's degree students by the School of Law at the University of Mannheim (each course containing such oral examination, written examination, written paper or combination thereof as determined by the course coordinator)

(c) write a dissertation of between 12,000-15,000 words

(d) otherwise comply with the provisions of the Academic Program Rules.

4.1 Academic program

4.1.1 Programs of study must be approved by the Dean of the School or a nominee at enrolment each year.

4.1.2 Candidature will commence on the first day of the semester in which the candidate's coursework begins.

4.1.3 The courses for the degree of Master of Comparative Law (Adelaide/Mannheim) shall vary from year to year except that Comparative Law and Dissertation (Comparative) will be offered annually.

4.1.4 The subject of a dissertation shall be approved and a supervisor appointed by the School at which the student is enrolled. A candidate shall lodge with the Student Advisor three copies of a dissertation prepared in accordance with directions given to candidates from time to time.

4.2 No candidate will be permitted to count for the Masters any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Comparative Laws – Graduate Attributes

Knowledge

- An understanding of the methods of comparative analysis of the law.
- An appreciation of the advantages and disadvantages of a comparative law perspective in understanding the factors responsible for the development of legal principles and systems.
- An understanding of basic legal principle applicable in different law systems, in particular, in common law and civil law systems
- An understanding of the systemic features of justice delivery in common law and civil law countries.
- An understanding of the trends toward convergence and divergence between different law systems.
- A specific understanding of selected areas of law applicable in different law systems.

Skills

- High level critical thinking and problem solving skills.
- Ability to evaluate and synthesise information and existing knowledge from a number of sources and experiences.
- Ability to appreciate the changing knowledge base of the law and to respond to the demand for change.
- Capacity to engage with current issues of significance in society.
- Capacity to design and construct a logically compelling legal thesis.
- High level legal research skills, including familiarity with and proficiency in modern legal research technologies.
- Capacity to participate in teamwork.
- High level oral communication skills.
- High level written communication skills.
- The capacity to engage in life-long learning.

Attitudes and Values

- A commitment to high levels of academic scholarship.
- A commitment to the rule of law and an appreciation of social justice through the operation of law.
- An appreciation of cultural diversity and sensitivity to the operation of law in this context.

Master of Laws

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 Further to Rule 5.1a of the General Academic Program Rules, the Board of Research Education and Development may accept as a candidate for the degree of Master of Laws any person who has qualified for an Honours degree of Bachelor of Laws or a degree of Bachelor of Laws with Honours at the University of Adelaide.

3 Submission of Thesis

In satisfying rule Rule 14.1 of the General Academic Program Rules, the candidate shall submit a thesis of not more than 70,000 words.

Master of Laws (by Coursework)

Academic Program Rules

1 Duration of Program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising two semesters of full-time study or equivalent. The maximum time permitted for completion of the program is six years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Laws shall:

(a) have qualified for a Bachelor degree of Laws of the University of Adelaide or a Bachelor degree of Laws of another institution accepted by the Faculty for the purpose as equivalent *or*

(b) have qualified for the Graduate Diploma of Law of the University of Adelaide or a Graduate Diploma of Law of another institution accepted by the Faculty for the purposes as equivalent.

2.2 The Faculty may subject to such conditions as it sees fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake the work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 The Faculty may grant credit towards the program as follows:

(a) Up to a maximum of 12 units completed towards a comparable Master of Laws degree of another tertiary institution accepted by the Faculty for the purpose as equivalent *or*

(b) Up to a maximum of 6 units completed towards a comparable degree of the University of Adelaide.

2.3.2 A candidate, who fails a course and wishes to repeat that course shall, unless partially exempted by the Dean of the Law School or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification Requirements

4.1 A candidate who has been admitted with a Bachelor of Laws or a Graduate Diploma of Laws degree, shall satisfactorily complete courses from the Master of Laws to the value of 24 units;

The Master of Laws courses* are listed as follows:

LAW 7055 Comparative Corporate Rescue Law PG)	3
LAW 7056 Competition Law: Comparative Perspectives (PG)	3
LAW 7057 Corporate Governance (PG)	3
LAW 7058 Dispute System Design and Implementation (PG)	3
LAW 7059 European Union Law (PG)	3
LAW 7060 Federal Criminal Law (PG)	3
LAW 7061 Globalisation and the Legal Regulation of Work (PG)	3
LAW 7062 Global Issues in Intellectual Property Law (PG)	3
LAW 7063 Government Business and Regulation (PG)	3
LAW 7064 Intellectual Property Law (PG)	3
LAW 7065 International Commercial Arbitration (PG)	3
LAW 7066 International Conflicts of Law (PG)	3
LAW 7067 International Criminal Law (PG)	3
LAW 7068 International Energy Law (PG)	3
LAW 7069 International Law (PG)	3
LAW 7070 International Trade Law (PG)	3
LAW 7071 Superannuation Law (PG)	3
LAW 7072 The Law of Work in the New Economy PG)	3
LAW 7073 Transnational Crime and Terrorism (PG)	3
LAW 7074 Transitional Justice (PG)	3
LAW 7075 Wine Law (PG)	3
LAW 7076 World Economic Law (PG)	3

Any other course approved by the Program coordinator.

Not all courses will be offered in any one calendar year.

4.2 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Laws/Master of Commerce
Master of Laws/Master of Commerce (Accounting)
Master of Laws/Master of Commerce (Applied Finance)
Master of Laws/Master of Commerce (Marketing)

Academic Program Rules

1 Duration of Program

To qualify for the combined degree, a candidate shall satisfactorily complete a program of study comprising four semesters of full-time study. The maximum time permitted for completion of the program is eight years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Laws/Master of Commerce shall:

(a) have qualified for a Bachelor degree of Laws of the University of Adelaide or a Bachelor degree of Laws of another institution accepted by the Faculty for the purpose as equivalent *or*

(b) have qualified for the Graduate Diploma of Law of the University of Adelaide or a Graduate Diploma of Law of another institution accepted by the Faculty for the purposes as equivalent *or*

2.2 The Faculty may subject to such conditions as it sees fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake the work for the degree.

2.3. On satisfying the admission requirements for entry to the Master of Commerce/ Master of Laws, students will enrol in a program of study to allow them to qualify for one of the following combined degrees:

Master of Laws/Master of Commerce

Master of Laws/Master of Commerce (Accounting)

Master of Laws/Master of Commerce (Applied Finance)

Master of Laws/Master of Commerce (Marketing)

2.4 Status, exemption and credit transfer

2.4.1 The Faculty may grant exemptions towards the program up to a total value of 12 units where in the opinion of the Executive Dean of the Professions, the candidate has already presented a course or courses for another award that contain(s) substantially the same material. All exemptions must be replaced by courses selected from the same discipline area. For the purposes of fulfilling the requirements of Accounting, Applied Finance or Marketing a minimum of 15 units of new courses from the relevant discipline must be selected that have not been presented towards another degree.

2.4.2 No candidate shall be granted status for courses with a total value of more than 12 units on account of courses presented for any other award except with permission of the Executive Dean of the Professions.

2.4.3 A candidate, who fails a course and wishes to repeat that course shall, unless partially exempted by the Executive Dean of the Professions, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

For the purposes of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom the Executive Dean of the Professions, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3.4 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Academic Program Requirements

4.1 A candidate shall satisfactorily complete courses to the value of 48 units, as follows:

4.1.1 Foundation courses

12 units of foundation courses:

ACCTING 7000 Accounting and Decision Making (M)	3
COMMERCE 7033 Quantitative Methods (M)	3
ECON 7200 Economic Principles (M)	3
and (compulsory for Marketing)	
MARKETNG 7005 Marketing Principles (M)	3
or	
COMMERCE 7005 Principles of Finance	3

4.1.2 Laws Courses

18 units of Law courses selected from:

LAW 7055 Comparative Corporate Rescue Law PG)	3
LAW 7056 Competition Law: Comparative Perspectives (PG)	3
LAW 7057 Corporate Governance (PG)	3
LAW 7058 Dispute System Design and Implementation (PG)	3
LAW 7059 European Union Law (PG)	3
LAW 7060 Federal Criminal Law (PG)	3
LAW 7061 Globalisation and the Legal Regulation of Work (PG)	3
LAW 7062 Global Issues in Intellectual Property Law (PG)	3
LAW 7063 Government Business and Regulation (PG)	3
LAW 7064 Intellectual Property Law (PG)	3
LAW 7065 International Commercial Arbitration (PG)	3
LAW 7066 International Conflicts of Law (PG)	3
LAW 7067 International Criminal Law (PG)	3
LAW 7068 International Energy Law (PG)	3
LAW 7069 International Law (PG)	3
LAW 7070 International Trade Law (PG)	3
LAW 7071 Superannuation Law (PG)	3
LAW 7072 The Law of Work in the New Economy PG)	3
LAW 7073 Transnational Crime and Terrorism (PG)	3
LAW 7074 Transitional Justice (PG)	3
LAW 7075 Wine Law (PG)	3
LAW 7076 World Economic Law (PG)	3

Any other course approved by the Executive Dean of the Professions or nominee.

Note: Not all courses will be offered in any one calendar year.

4.1.3 Commerce Courses

18 units of Commerce courses of which at least 12 units must be selected from one discipline:

Accounting

ACCTING 7008 Financial Accounting Issues (M)*#	3
ACCTING 7009 Auditing and Assurance Services (M)*	3
ACCTING 7010 Corporate Accounting (M)*#	3
ACCTING 7012 Commercial Law and Accounting Regulation (M)*#	3
ACCTING 7014 Management Accounting (M)*#	3
ACCTING 7015 Advanced Financial Reporting (M)	3
ACCTING 7017 Financial Statement Analysis (M)	3
ACCTING 7018 Public Sector and Not-For-Profit Accountability (M)	3
COMMERCE 7036 Knowledge Management and Measurement (M)	3
COMMLAW 7011 Corporate Law (M)*#	3
COMMLAW 7013 Income Taxation (M) *	3
COMMLAW 7016 Business Taxation and GST (M)	3
CORPFIN 7044 Financial Planning (M)	3

* All seven courses are required for eligibility to the CA program.

All five courses are required for eligibility to the CPA program.

Applied Finance

ACCTING 7017 Financial Statement Analysis (M)	3
CORPFIN 7019 Portfolio Theory and Management (M)	3
CORPFIN 7020 Options, Futures and Risk Management (M)	3
CORPFIN 7021 Corporate Investment and Strategy (M)	3
CORPFIN 7022 Corporate Finance Theory (M)	3
ECON 7114 Money, Banking and Financial Markets IIID	3
CORPFIN 7039 Equity Valuation and Analysis (M)	3
CORPFIN 7040 Fixed Income Securities (M)	3
CORPFIN 7042 Treasury and Financial Risk Management (M)	3
CORPFIN 7044 Financial Planning (M)	3
ECON 7044 International Finance IIID	3

Marketing

MARKETNG 7023 Consumer Behaviour (M)	3
MARKETNG 7024 International Marketing (M)	3
MARKETNG 7025 Marketing Communications (M)	3
MARKETNG 7026 Marketing Research and Planning (M)	3
MARKETNG 7027 Brand Management (M)	3
MARKETNG 7028 E-Marketing (M)	3

MARKETNG 7029 International Market Entry Strategies (M)	3
MARKETNG 7030 Marketing Ethics (M)	3
MARKETNG 7031 Relationship Marketing (M)	3
MARKETNG 7032 Strategic Marketing (M)	3

Electives

BUSINESS 7000 Social Challenges to Global Business	3
COMMERCE 7034 Project Management (M)	3
COMMERCE 7035 Contemporary Issues in Commerce (M)	3
COMMERCE 7037 Research Methodology in Commerce (M)	3
ECOMMRCE 7004 Internet Commerce (M)	3

4.1.3.1 Master of Laws/Master of Commerce (Accounting)

18 units of Accounting courses selected from 4.1.3 or such courses as approved by the Executive Dean of the Professions or nominee.

4.1.3.2 Master of Laws/Master of Commerce (Applied Finance)

18 units of Applied Finance courses selected from 4.1.3 or such courses as approved by the Executive Dean of the Professions or nominee, including:

CORPFIN 7019 Portfolio Theory and Management (M)	3
CORPFIN 7020 Options, Futures and Risk Management (M)	3
CORPFIN 7039 Equity Valuation and Analysis (M)	3
CORPFIN 7040 Fixed Income Securities (M)	3

4.1.3.3 Master of Laws/Master of Commerce (Marketing)

18 units of Marketing courses selected from 4.1.3 or such courses as approved by the Executive Dean of the Professions or nominee, including:

MARKETNG 7023 Consumer Behaviour (M)	3
MARKETNG 7025 Marketing Communications (M)	3
MARKETNG 7024 International Marketing (M)	3
MARKETNG 7026 Marketing Research and Planning (M)	3
MARKETNG 7030 Marketing Ethics (M)	3
MARKETNG 7032 Strategic Marketing (M)	3

Strategic Marketing (M)* is a capstone course for the Marketing pathway, and as such must be taken in the final semester of study.

4.2 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Doctor of Laws

Academic Program Rules

1 Subject to these Academic Program Rules the Council may, on the recommendation of the Faculty of the Professions, accept as a candidate for the degree of Doctor of Laws any person who, in the opinion of the Faculty, is a fit and proper person to be so accepted.

2 To qualify for the degree a candidate may either:

(a) submit for assessment all or some of his/her scholarly work, including work not previously published *or*

(b) present a thesis on a subject approved by the Faculty.

3 (a) A person who desires to qualify for the degree in accordance with alternative (a) of Regulation 2 shall give notice of his/her intended candidature in writing to the Manager, Graduate Administration and Scholarships, Adelaide Graduate Centre and with such notice shall furnish particulars of his/her scholarly achievements and of the work which he/she proposes to submit for the degree.

(b) The Faculty of the Professions shall examine the information submitted and shall decide whether to recommend to the Council that the applicant be accepted as a candidate.

4 (a) To qualify for the degree according to alternative (a) of Regulation 2 a candidate shall submit work which constitutes an original and substantial contribution of distinguished merit to legal knowledge or understanding.

(b) If any of the material submitted represents work carried out conjointly, the candidate shall state the extent to which he/she was responsible for such work.

(c) The candidate shall indicate what part, if any, of his/her works has already been presented for a degree in this or any other university.

5 A person who desires to qualify for the degree in accordance with alternative (b) of Regulation 2 may be accepted as a candidate if he/she:

(a) holds or has qualified for the Honours degree of Bachelor of Laws *or*

(b) holds or has qualified for the degree of Master of Laws: provided that the Faculty of the Professions may accept in lieu of the foregoing an equivalent qualification obtained in any other university recognised by the University of Adelaide *or*

(c) has passed an examination approved by the Faculty.

6 (a) To qualify for the degree according to alternative (b) of Regulation 2 a candidate shall present a thesis which:

(i) contains an original and substantial contribution of distinguished merit to legal knowledge or understanding *and*

(ii) merits publication as a book or monograph (other than as a collection of separate articles), whether or not it has been previously published in full or in part. A thesis previously presented for a degree in this or in any other University may not be submitted under this regulation.

(b) A candidate may also present in support of his/her candidature other published books, monographs, or articles. If any of these publications record work carried out conjointly, the candidate shall state the extent to which he/she was responsible for the initiation and presentation of such publications.

(c) A candidate proceeding in accordance with alternative (b) of regulation 2 and with this regulation shall not be admitted to the degree until the expiration of the fourth academic year from his/her admission to the degree by virtue of which he/she was accepted as a candidate.

7 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work submitted or of the thesis presented, as the case may be, prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree the two of the copies will be transmitted to the University Library.

8 The Faculty of the Professions shall nominate examiners. Normally there will be three examiners, two of them external to the University; but exceptions may be made in special cases recommended by the Faculty and approved by the Council.

9 The examiners may, if they think fit, examine the candidate either orally or by written questions on the material presented for the degree.

10 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty of the Professions, be admitted to the degree of Doctor of Laws.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 15 January, 1976.

Amended: 4 Feb. 1982: 3, 7.

Rule approved and Regulation repealed 18 March 1999.

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- Master of Public Health
- Master of Surgery
- Doctor of Medicine
- Doctor of Nursing

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.

Graduate Certificate in Alcohol and Drug Studies

Note: This program is only offered in the external mode. Postgraduate tuition fees apply to the program.

Academic Program Rules

1 Duration of Program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program of full time study extending over at least one semester or part-time study extending over at least 2 semesters.

2 Admission

2.1 An applicant for admission to the program for the Graduate Certificate in Alcohol and Drug Studies shall have qualified for a degree of the University or another institution accepted by the University for the purpose as equivalent and shall have demonstrated to the satisfaction of the University that they have the capacity and experience to benefit from the program.

2.2 The Faculty may, subject to any conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

With permission of the Faculty, status may be granted for courses, on written application from the candidate.

2.4 Articulation with other awards

A candidate who has been admitted to the Graduate Certificate in Alcohol and Drug Studies and who subsequently satisfies the requirements for the Graduate Diploma in Alcohol and Drug Studies must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to satisfaction of the teaching staff concerned.

(b) A candidate who refuses permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualifications requirements

4.1 Academic Program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

PHARM 5001	Biobehavioural Aspects of Drug Use	4
PHARM 5002	Management of Drug Problems	4
PHARM 5003	Law, Policy and Prevention	4

4.2 Unacceptable combinations of courses

No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty contains substantially the same material as any other course that he or she has already presented for another award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Grief and Palliative Care Counselling

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete two semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Grief and Palliative Care Counselling shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty of Health Sciences for the purpose as equivalent to a degree of the University.

2.2 The Faculty of Health Sciences may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Head of the Department of General Practice, no candidate will be granted status for the core or elective courses of the Graduate Certificate, except for those candidates who have completed antecedent courses in Grief and Palliative Care Counselling presented by the Department of General Practice, the University of Adelaide.

2.3.2 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this academic program are eligible to apply for entry to the Graduate Diploma in Grief and Palliative Care Counselling and be granted status for the work they have undertaken in their Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Grief and Palliative Care Counselling who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Master of Grief and Palliative Care Counselling or the Graduate Diploma in Grief and Palliative Care Counselling who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1.1 Core courses

GEN PRAC 7101HO Bereavement	2
GEN PRAC 7104HO Supervised Field Education	2
GEN PRAC 7105HO Grief Counselling I	2
GEN PRAC 7106HO Grief Counselling II	2
GEN PRAC 7107HO Grief Counselling III	2

4.1.2 Elective courses

All candidates shall complete an elective course to the value of 2 units selected from the following elective courses:

GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2

4.2 Candidates who wish to enrol in a course for which they do not have the necessary preliminary knowledge or approved qualifications, may be required to undertake such bridging studies prior to the commencement of the course as may be deemed appropriate by the Head of the Department of General Practice.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Human Anatomy

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one year of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Human Anatomy shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 A candidate normally would not be granted status for any course which he or she has completed for another award.

2.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examination

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following course:

Anat Sc 5000A/B Human Anatomy Graduate Certificate	12

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Nursing Science

Academic Program Rules

1 General

There shall be a Graduate Certificate in Nursing Science which is offered in the following specialisations:

1.1 Apheresis Nursing

1.2 Evidence Based Practice

1.3 Hyperbaric Nursing

1.4 Infection Control

1.5 Retrieval Nursing

1.6 Stomal Therapy

2 Duration of program

To qualify for the Graduate Certificate an applicant shall satisfactorily complete a program of study comprising one semester of full time study or not more that one year of part-time study.

3 Admission

3.1 An applicant for admission to the program of study for the Graduate Certificate shall:

(a) be registered, or be eligible for registration, as a nurse in South Australia *and*

(b) have qualified for a degree of Bachelor of Nursing of a university accepted for the purposes by the University *or*

(c) have at least two years experience as a registered nurse in the field of the specialisation to be undertaken

(d) satisfactorily complete an appropriate medical examination on Occupation Health and Safety grounds for the specialisation in Hyperbaric Nursing and Retrieval Nursing.

3.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the program.

3.3 Status, exemption and credit transfer

3.3.1 No candidate shall be granted status for courses with a total value of more than 6 units on account of courses presented for any other award.

3.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

4 Assessment and examinations

4.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

4.2 A candidate who does not complete the specified work to the satisfaction of the teaching staff concerned shall be awarded a failing grade of Incomplete-Fail.

4.3 A candidate who fails a course twice may be subject to a Review of Academic progress.

5 Qualification requirements

5.1 Academic program

To qualify for the Graduate Certificate a candidate shall successfully complete a specialisation set of courses, listed below, to the value of 12 units:

Apheresis Nursing	
CLIN NUR 5101HO Apheresis Nursing I	6
CLIN NUR 5102HO Apheresis Nursing II	6
Evidence Based Practice	
CLIN NUR 5109HO An introduction to Evidence Based Health Care	6
CLIN NUR 5110HO Change Management and Evaluation	6
Hyperbaric Nursing	
CLIN NUR 6116HO Hyperbaric Nursing I	6
CLIN NUR 5103HO Hyperbaric Nursing II	6
Infection Control	
CLIN NUR 6117HO Infection Control Nursing	6
CLIN NUR 5104HO Microbiology and Epidemiology	6
Retrieval Nursing	
CLIN NUR 5105HO Principles and Practices of Retrieval Nursing	6
CLIN NUR 5106HO Trauma Nursing	6

Stomal Therapy

CLIN NUR 6121HO Stomal Therapy	6
CLIN NUR 6122HO Wound Management	6

5.2 Additional specialisation

If a candidate who qualifies for the Graduate Certificate subsequently undertakes, as a non-award student, another specialisation, the candidate may, on payment of a fee determined by the University, return the Graduate Certificate testamur and receive a new testamur listing all the specialisations completed.

5.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Occupational Health and Safety Management

The Graduate Certificate is a part of joint postgraduate program studies in Occupational Health and Safety Management of the University of Adelaide and University of South Australia.

There is a Management Committee (comprising two academic representatives from each university and a student representing each program in the joint postgraduate venture) which administers the Graduate Diploma in Occupational Health & Safety Management and the Master of Occupational Health and Safety. A Coursework Coordinator, a full-time member of the academic staff, is appointed at each university by the Management Committee.

Note: the program is offered only on a part-time basis and may attract tuition fees

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete a program of part-time study extending over at least two semesters, and except with the special permission of the Faculty, complete the program in not more than four semesters of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Occupational Health & Safety Management shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, together with a minimum of two years' appropriate work experience.

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 A candidate normally would not be granted status for any course which he or she has completed for another award.

2.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.3.3 Consideration will be given to granting status to students who have partially completed equivalent programs interstate, up to a maximum of two courses. Appropriate status (up to the year 2000) will be granted to students who have partly completed the former Graduate Diplomas at the University of South Australia and the University of Adelaide.

2.3.4 In exceptional cases, status will be granted for one course to students who have undertaken relevant study at a TAFE institution.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma in Occupational Health and Safety Management who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma, may be admitted to the Graduate Certificate.

2.4.2 Candidates wishing to progress to the Graduate Diploma in Occupational Health and Safety Management must have satisfactorily completed the four compulsory courses with a grade of at least Pass Division 1.

3 Assessment and examination

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass. Further, a pass will be recorded in two divisions with a Pass Division I being higher than a Pass Division II.

To complete this award, at least a Pass Division II is required in each course.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

` (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following courses.

PUB HLTH 7105HO Diseases of Occupation*	3
PUB HLTH 7130HO Occupational Hygiene and Ergonomics G*	3
PUB HLTH 7131HO Occupational Safety & Statistics **	3
PUB HLTH 7132HO OHS Management & Law I G **	3

* Offered by the University of Adelaide

** Offered by the University of South Australia

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Public Health

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or the equivalent of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Public Health shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Head of the Department of Public Health, no candidate will be granted status for the core course in the Graduate Certificate.

2.3.2 No candidate shall be granted status for any elective course.

2.3.3 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this academic program are eligible to apply for entry to the Graduate Diploma in Public Health, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Public Health who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Master of Public Health or the Graduate Diploma in Public Health who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1.1 Core courses

All candidates shall complete the following course:

PUB HLTH 7100HO Foundations of Public Health	3

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 9 units selected from the following:

DENT 7150HO Dental Public Health	3
PUB HLTH 7031HO Occupational Hygiene and Ergonomics	3
PUB HLTH 7101HO Introduction to Epidemiology and Biostatistics	3
PUB HLTH 7102HO Public Health Policy	3
PUB HLTH 7104HO Biostatistics	3
PUB HLTH 7105HO Diseases of Occupation	3
PUB HLTH 7106HO Epidemiological Research Methods	3
PUB HLTH 7107HO Epidemiology of Infectious Diseases	3
PUB HLTH 7108HO Ethical Issues in Public Health	3
PUB HLTH 7109HO Health Promotion	3

PUB HLTH 7110HO Health Resource Allocation	3
PUB HLTH 7111HO Industrial Toxicology	3
PUB HLTH 7113HO Introduction to Environmental and Occupational Health	3
PUB HLTH 7114HO National Short Course in Environmental Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7118HO Public Health Studies	3
PUB HLTH 7121HO Health Program Evaluation	3
PUB HLTH 7123HO Rural Public Health	3
PUB HLTH 7124HO Population Health for Clinicians A	3
PUB HLTH 7125HO Population Health for Clinicians B	3
PUB HLTH 7126HO Qualitative Research in Practice	3
PUB HLTH 7146HO An Anthropological Lens on Public Health	3

Other courses offered by this or other universities which the Faculty approves for presentation in lieu of elective courses listed above up to the value of 3 units.

4.2 Candidates who wish to enrol in a course for which they do not have the necessary preliminary knowledge or approved qualifications may be required to undertake such bridging studies prior to the commencement of the course as may be deemed appropriate by the Head of the Department of Public Health.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Alcohol and Drug Studies

Note: This program is only offered in the external mode.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of part-time study extending over at least two years.

2 Admission

2.1 An applicant for admission to the program for the Graduate Diploma in Drug and Alcohol Studies shall:

(a) have qualified for a degree of the University or for a degree of another university accepted for the purposes by the University *and*

(b) have obtained the approval of the Department of Clinical and Experimental Pharmacology.

2.2 Subject to the approval of Council, the Faculty may in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not qualify for admission to the program under (2.1) above, but who has a significant level of experience and training in the field of alcohol and drug services and who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3 Enrolment

The program is offered by distance education. Students can enrol in either January or July.

4 Assessment and examinations

4.1 There shall be four classes of pass in each course for the Graduate Diploma: pass with High Distinction, pass with Distinction, pass with Credit and Pass.

4.2 (a) A candidate who fails to pass in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

(b) A candidate who has twice failed the examination in any course or division of a course may not enrol for the course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

(c) For the purpose of this Rule a candidate who is refused permission to sit for examination, or who, without a reason accepted by the Head of the Department of Clinical and Experimental Pharmacology as adequate, fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled in a course for at least 5 teaching weeks, shall be deemed to have failed the examination for the course concerned.

5 Qualification requirements

5.1 Academic program

Unless exempted therefrom by the Faculty every candidate for the Graduate Diploma in Alcohol and Drug Studies shall satisfactorily complete the following courses to the value of 24 units, in the sequence determined by the prerequisite course requirements specified in the syllabuses.

PHARM 5001EX Bio-Behavioural Aspects Of Drug Use	4
PHARM 5002EX Management of Drug Problems	4
PHARM 5003EX Law, Policy and Prevention	4
PHARM 5004EX Development of Drug Problems	4
PHARM 5005EX Community Responses & Interventions	4
PHARM 5006EX Professional Study	4
PHARM 7001EX Principles of Drug Action	4
PHARM 7002EX Aetiology of Drug Problems	4
PHARM 7003EX Treatment Principles and Practice I	4
PHARM 7004EX Treatment Principles and Practice II	4
PHARM 7005EX Public Health Principles & Drug Use	4
PHARM 7006EX Practicum and Project	4

5.2 No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Grief and Palliative Care Counselling

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete four semesters of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Grief and Palliative Care Counselling shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty of Health Sciences for the purpose as equivalent to a degree of the University.

2.2 The Faculty of Health Sciences may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with the special permission of the Head of the Department of General Practice, no candidate will be granted status for any of the core courses of the Graduate Diploma.

2.3.2 No candidate shall be granted status for courses with a total value of more than 12 units except for those candidates who have completed antecedent courses in Grief and Palliative Care Counselling presented by the Department of General Practice, the University of Adelaide.

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

A candidate for the Degree of Master of Grief and Palliative Care Counselling who satisfies the requirements for the Graduate Diploma but who does not complete the requirements for the Degree of Master of Grief and Palliative Care Counselling may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1.1 core courses

All candidates shall complete the following courses:

GEN PRAC 7101HO Bereavement	2
GEN PRAC 7104HO Supervised Field Education	2
GEN PRAC 7105HO Grief Counselling I	2
GEN PRAC 7106HO Grief Counselling II	2
GEN PRAC 7107HO Grief Counselling III	2
GEN PRAC 7205HO Advanced Grief Counselling IA	1
GEN PRAC 7206HO Advanced Grief Counselling II	3
GEN PRAC 7207HO Advanced Grief Counselling III	3
GEN PRAC 7210HO Advanced Grief Counselling IB	1

4.1.2 elective courses

All candidates shall complete additional elective courses to the value of 4 units selected from the following courses:

GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2
GEN PRAC 7201HO Grief and Spirituality	2

GEN PRAC 7202HO Grief Studies	2
GEN PRAC 7209HO Research Design and Methodology	2

Other courses offered by this University or other universities that the Faculty approves for presentation in lieu of elective courses listed above up to the value of 4 units.

4.1.3 Candidates who wish to enrol in a course for which they do not have the necessary preliminary knowledge or approved qualifications, may be required to undertake such bridging studies prior to the commencement of the course as may be deemed appropriate by the Head of the Department of General Practice.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Nursing Science

Academic Program Rules

1 General

There shall be a Graduate Diploma in Nursing Science which is offered in the following specialisations:

1.1 Acute Care Nursing
1.2 Anaesthetic and Recovery Nursing
1.3 Burns Nursing
1.4 Cardiac Nursing
1.5 District Nursing
1.6 Emergency Nursing
1.7 General Practice Nursing
1.8 Gerontological Nursing
1.9 Intensive Care Nursing
1.10 Mental Health Nursing
1.11 Oncology Nursing
1.12 Orthopaedic Nursing
1.14 Perioperative Nursing
1.15 Public Health Nursing
1.15 Rural Nursing.

2 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of study comprising one year of full-time study or not more that two years of part- time study.

3 Admission

3.1 An applicant for admission to the program of study for the Graduate Diploma shall:

(a) be registered, or be eligible for registration, as a nurse in South Australia *and*

(b) have qualified for a degree of Bachelor of Nursing of a university accepted for the purposes by the University *or*

(c) have at least two years experience as a registered nurse in the field of the specialisation to be undertaken.

3.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 3.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the program.

3.3 Status, exemption and credit transfer

3.3.1 No candidate, normally, will be granted status in any of the core courses.

3.3.2 No candidate shall be granted status for courses with a total value of more than 12 units on account of courses presented for any other award.

3.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

4 Assessment and Examinations

4.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

4.2 A candidate who does not complete the specified work to the satisfaction of the teaching staff concerned shall be awarded a failing grade of Incomplete-Fail.

4.3 A candidate who fails a course twice may be subject to a Review of Academic Progress.

5 Qualification requirements

5.1 Academic program

To qualify for the Graduate Diploma a candidate shall successfully complete the following:

5.1.1 Core courses, listed below, to the value of 8 units:

CLIN NUR 6101HO Developing Advanced Practice in Health Systems I	4
CLIN NUR 6102HO Developing Advanced Practice in Health Systems II	4

5.1.2 A specialisation set of courses, listed below, to the value of 16 units:

Acute Care Nursing

CLIN NUR 6190HO Nursing and Medical Science in Acute Care Nursing	4
CLIN NUR 6191HO Acute Care Nursing	4
CLIN NUR 6192HO Medical Nursing	4

CLIN NUR 6194HO Surgical Nursing 4

CLIN NUR 6193HO High Acuity Nursing 4

Elective taken from any course currently offered by the department with a minimum value of 4 units, in consultation with the relevant program coordinator.

Anaesthetic and Recovery Nursing

CLIN NUR 6104HO Nursing & Medical Science in Anaesth & Recovery I 4

CLIN NUR 6105HO Nursing & Medical Science in Anaesth & Recovery II 4

CLIN NUR 6178HO Anaesthetic & Recovery Nursing I 4

CLIN NUR 6179HO Anaesthetic & Recovery Nursing II 4

Burns Nursing

CLIN NUR 6181HO Nursing & Medical Science in Burns Nursing I 4

CLIN NUR 6182HO Nursing & Medical Science in Burns Nursing II 4

CLIN NUR 6183HO Burns Nursing I 4

CLIN NUR 6184HO Burns Nursing II 4

Cardiac Nursing

CLIN NUR 6108HO Cardiac Nursing I 4

CLIN NUR 6109HO Cardiac Nursing II 4

CLIN NUR 6110HO Nursing & Medical Science in Cardiac Nursing I 4

CLIN NUR 6111HO Nursing & Medical Science in Cardiac Nursing II 4

District Nursing

CLIN NUR 6167HO Contemporary Issues in District Nursing 4

CLIN NUR 6168HO Population Profiling in Chronic Illness 4

CLIN NUR 6169HO District Nursing A 4

CLIN NUR 6170HO District Nursing B 4

CLIN NUR 6195HO Working with Clients & Community 4

Emergency Nursing

CLIN NUR 6127HO Emergency Nursing I 4

CLIN NUR 6128HO Emergency Nursing II 4

CLIN NUR 6129HO Nursing & Medical Science in Emergency Nursing I 4

CLIN NUR 6130HO Nursing & Medical Science in Emergency Nursing II 4

General Practice Nursing

CLIN NUR 6131HO Emergency Care in General Practice 2

CLIN NUR 6132HO General Practice Nursing I 4

CLIN NUR 6133HO Health Assessment 3

CLIN NUR 6134HO Nursing and Medical Science in Primary Health Care 4

CLIN NUR 6135HO Pathology and Pharmacology in General Practice 3

Gerontological Nursing

CLIN NUR 6136HO Contemporary Issues in Aged Care 4

CLIN NUR 6137HO Functional Assessment 4

CLIN NUR 6138HO Gerontological Nursing 4

CLIN NUR 6139HO Palliative Nursing in Aged Care 4

Intensive Care Nursing

CLIN NUR 6144HO Intensive Care Nursing I 4

CLIN NUR 6145HO Intensive Care Nursing II 4

CLIN NUR 6146HO Nursing & Medical Science in Intensive Care I 4

CLIN NUR 6147HO Nursing & Medical Science in Intensive Care II 4

Mental Health Nursing

CLIN NUR 6196HO Acute Mental Health Care I 4

CLIN NUR 6197HO Acute Mental health Care II 4

CLIN NUR 6198HO Primary Mental Health Care 4

The student must complete a further 4 units of study by selecting one of the following two courses:

CLIN NUR 6199HO Therapeutic Advances in Acute Mental Health 4

CLIN NUR 6200HO Community Mental Health Nursing 4

Oncology Nursing

CLIN NUR 6152HO Nursing & Medical Science in Oncology Nursing I 4

CLIN NUR 6153HO Nursing & Medical Science in Oncology Nursing II 4

CLIN NUR 6154HO Oncology Nursing I 4

CLIN NUR 6155HO Oncology Nursing II 4

Orthopaedic Nursing

CLIN NUR 6156HO Nursing and Medical Science in Orthopaedics I 4

CLIN NUR 6157HO Orthopaedic Nursing I 4

CLIN NUR 6158HO Orthopaedic Nursing II 4

CLIN NUR 6175HO Nursing & Medical Science in Orthopaedics II 4

Perioperative Nursing

CLIN NUR 6159HO Nursing & Medical Science in Perioperative Nurs I 4

CLIN NUR 6160HO Nursing & Medical Science in Perioperative Nurs II	4
CLIN NUR 6161HO Perioperative Nursing I	4
CLIN NUR 6162HO Perioperative Nursing II	4
Public Health Nursing	
CLIN NUR 6163HO Contemporary Issues in Public Health Nursing	4
PUB HLTH 7100HO Foundations of Public Health	3
PUB HLTH 7101HO Introduction to Epidemiology and Biostatistics	3
PUB HLTH 7109HO Health Promotion	3
and one elective course from the following list:	
PUB HLTH 7113HO Introduction to Environmental and Occupational Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7117HO Public Health Policy and Ageing	3
PUB HLTH 7118HO Public Health Studies	3
Rural Nursing	
CLIN NUR 6185HO Rural Nursing I	4
CLIN NUR 6186HO Rural Nursing II	4
CLIN NUR 6187HO Rural Nursing III	4

5.1.3 Notwithstanding the above, if a candidate has successfully completed a recognised hospital certificate and gained at least two years advanced post registration experience in the specialisation of the certificate within five years of commencing candidature, the candidate shall quality for the Graduate Diploma by successfully completing:

(a) core courses listed in 5.1 above to the value of 8 units

(b) the four unit course CLIN NUR 6103HO Focused Reading in Clinical Nursing.

5.2 Additional specialisations

If a candidate who qualifies for the Graduate Diploma subsequently undertakes, as a non-award student, another specialisation, the candidate may, on payment of a fee determined by the University, return the Graduate Diploma testamur and receive a new testamur listing all the specialisations completed.

5.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Occupational Health and Safety Management

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma in Occupational Health and Safety Management shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Certificate in Occupational Health and Safety Management (see Rule 2.4 below).

2.3.2 In any case, no candidate will be awarded more than 12 units of status.

2.3.3 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Graduate Certificate in Occupational Health and Safety Management and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.2 A candidate for the degree of Master of Occupational Health and Safety who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the Masters degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass. Further a pass will be recorded in two divisions, with a Pass Division I being higher than a Pass Division II. At least a Pass Division I in each compulsory course and a Pass Division II in each elective course is required to complete this award.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic programs

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1.1 Core courses

All candidates shall complete the following core course, being the requirement for the Graduate Certificate in Occupational Health and Safety Management:

PUB HLTH 7105HO Diseases of Occupation*	3
PUB HLTH 7130HO Occupational Hygiene and Ergonomics G*	3
PUB HLTH 7131HO Occupational Safety and Statistics**	3
PUB HLTH 7132HO OHS Management and Law 1G**	3

4.1.2 Elective courses

All candidates shall complete 12 units selected from the following elective courses:

PUB HLTH 7114HO National Short Course in Environmental Health*	3
PUB HLTH 7134HO Advanced Occupational Hygiene*	3
PUB HLTH 7135HO Advanced OHS Management**	3
PUB HLTH 7136HO Occupational Safety**	3
PUB HLTH 7137HO Occupational Toxicology*	3
PUB HLTH 7138HO OHS Management and Law IIG**	3
PUB HLTH 7139HO OHS Research Methods*** (compulsory for students proceeding to Masters)	3
PUB HLTH 7140HO OHSM Dissertation ***	6
PUB HLTH 7141HO Practical Occupational Health*	3

* offered by the University of Adelaide

** offered by the University of South Australia

*** offered by either university

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Public Health

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or the equivalent of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Public Health shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

2.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with the special permission of the Head of the Department of Public Health, no candidate will be granted status for any of the core courses of the Graduate Diploma.

2.3.2 No candidate shall be granted status for courses with a total value of more than 12 units.

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

A candidate for the degree of Master of Public Health who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows.

4.1.1 Core course

All candidates shall complete the following courses:

PUB HLTH 7100HO Foundations of Public Health	3
PUB HLTH 7101HO Introduction to Epidemiology and Biostatistics	3
PUB HLTH 7102HO1292 Public Health Policy	3

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 12 units selected from the following:

DENT 7150HO Dental Public Health	3
PUB HLTH 7031HO Occupational Hygiene and Ergonomics	3
PUB HLTH 7104HO Biostatistics	3
PUB HLTH 7105HO Diseases of Occupation	3
PUB HLTH 7106HO Epidemiological Research Methods	3
PUB HLTH 7107HO Epidemiology of Infectious Diseases	3
PUB HLTH 7108HO Ethical Issues in Public Health	3
PUB HLTH 7109HO Health Promotion	3
PUB HLTH 7110HO Health Resource Allocation	3
PUB HLTH 7111HO Industrial Toxicology	3
PUB HLTH 7113HO Introduction to Environmental and Occupational Health	3
PUB HLTH 7114HO National Short Course in Environmental Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7117HO Public Health Policy and Ageing	3
PUB HLTH 7118HO Public Health Studies	3

PUB HLTH 7121HO Health Program Evaluation	3
PUB HLTH 7123HO Rural Public Health	3
PUB HLTH 7124HO Population Health for Clinicians A	3
PUB HLTH 7125HO Population Health for Clinicians B	3
PUB HLTH 7126HO Quantitative Research in Practice	3
PUB HLTH 7146HO An Anthropological Lens on Public Health	3

Other courses offered by this University or other universities which the Faculty approves for presentation in lieu of elective courses listed above up to the value of 3 units.

4.2 Candidates who wish to enrol in a course for which they do not have the necessary preliminary knowledge or approved qualifications, may be required to undertake such bridging studies prior to the commencement of the course as may be deemed appropriate by the Head of the Department of Public Health.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Alcohol and Drug Studies

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising at least three semesters of full-time study or at least three years of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Alcohol and Drug Studies shall:

(a) have qualified for an Honours degree of the University in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to an Honours degree of the University

(b) have qualified for the Graduate Diploma in Alcohol and Drug Studies with results of at credit level or higher or

(c) have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Diploma in Alcohol and Drug Studies (see Rule 2.4 below).

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Alcohol and Drug Studies or equivalent.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Graduate Diploma in Alcohol and Drug Studies and who subsequently satisfies the requirements for the Master of Alcohol and Drug Studies must surrender the Graduate Diploma in Alcohol and Drug Studies before being admitted to the Master degree.

2.4.2 A candidate for the degree of Master of Alcohol and Drug Studies who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma in Alcohol and Drug Studies.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualifications requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1.1 Core course

All candidates shall complete the following core courses:

PHARM 7001 Principles of Drug Action	4
PHARM 7002 Aetiology of Drug Problems	4
PHARM 7003 Treatment Principles and Practice I	4
PHARM 7004 Treatment Principles and Practice II	4
PHARM 7005 Public Health Principles & Drug Use	4
PHARM 7006 Practicum and Project	4

4.1.2 Dissertation

All candidates shall complete either the full-time or a part-time version of the following course:

PHARM 7007 Alcohol and Drug Studies Dissertation (full-time)	12
PHARM 7008 Alcohol and Drug Studies Dissertation (part-time)	12

4.2 Some periods of residence in Adelaide may be required if academic progress is not satisfactory.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Clinical Science

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 Further to Rule 5.1a of the General Academic Program Rules, an applicant for admission to the program for the Master of Clinical Science shall:

(a) have qualified for the degrees of Bachelor of Medicine and Bachelor of Surgery of the University or degrees of another institution accepted by the Board of Research Education and Development for the purpose as equivalent *or*

(b) have qualified for a degree of Bachelor of Nursing of a university accepted for the purpose by the University *or*

(c) have qualified for the Graduate Diploma in Grief and Palliative Care Counselling with results of credit level or higher *or*

(d) have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Board for the purpose as equivalent, plus have at least two years' approved professional work experience.

Master of Grief and Palliative Care Counselling

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete six semesters of part-time study.

2 Admission

2.1 The Faculty of Health Sciences may accept as a candidate for the degree any person who has qualified for a degree of the University of Adelaide or of another university.

2.2 Subject to the approval of the Board of Research Education and Development acting with authority wittingly devolved to it by Council the Faculty of Health Sciences may in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not meet the requirements specified in 2.1 above if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.

2.3 The Faculty of Health Sciences may require an applicant to complete such preliminary work as it may prescribe before being accepted as a candidate for the degree.

2.4 Status, exemption and credit transfer

2.4.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any other award (See Rule 2.5 below).

2.4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.4.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Grief and Palliative Care Counselling, or antecedent courses in Grief and Palliative Care Counselling presented by the Department of General Practice, the University of Adelaide.

2.4.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.5 Articulation with other awards

2.5.1 A candidate for the Master of Grief and Palliative Care Counselling who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.5.2 A candidate who has been admitted to the Graduate Diploma in Grief and Palliative Care Counselling or the Graduate Certificate in Grief and Palliative Care Counselling and who subsequently satisfies the requirements for the Master of Grief and Palliative Care Counselling must surrender the Graduate Diploma or Graduate Certificate respectively before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1.1 Core courses

All candidates shall complete the following core courses:

GEN PRAC 7101HO Bereavement	2
GEN PRAC 7104HO Supervised Field Education	2
GEN PRAC 7105HO Grief Counselling I	2
GEN PRAC 7106HO Grief Counselling II	2
GEN PRAC 7107HO Grief Counselling III	2

GEN PRAC 7205HO Advanced Grief Counselling IA	1
GEN PRAC 7206HO Advanced Grief Counselling II	3
GEN PRAC 7207HO Advanced Grief Counselling III	3
GEN PRAC 7210HO Advanced Grief Counselling IB	1

and one of

GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2

4.1.2 Elective courses

All candidates shall complete an additional 4 units selected from the following elective courses:

GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2
GEN PRAC 7201HO Grief and Spirituality	2
GEN PRAC 7202HO Grief Studies	2
GEN PRAC 7209HO Research Design and Methodology	2

Other courses offered by this University or other universities that the Faculty approves for presentation in lieu of elective courses listed above up to the value of 4 units.

4.1.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the following course:

GEN PRAC 7304HO MGPCC Dissertation (full-time)	12
GEN PRAC 7404HO MGPCC Dissertation (part-time)	12

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Postgraduate Coursework Programs in Grief & Palliative Care Counselling – Graduate Attributes

The Grief and Palliative Care Counselling Program encourages the following attributes in its graduates:

- Specialised up-to-date knowledge and understanding of grief and its associated issues, together with effective skills for appropriate interventions with grieving people.
- The ability to evaluate and synthesise grief-related information from a wide variety of sources.
- The ability to apply knowledge and skills to their own relevant professional situations.
- A high level of interpersonal skills, essential in communication with grieving individuals and families, as well as in the workplace.
- Proficient use of technology appropriate to learning at a post-graduate level.
- Commitment to lifelong learning. Graduates are encouraged to build on their experience and previous learning in order to maximise their personal and professional effectiveness.
- The ability to take leadership and to share their learning in their own communities and workplaces.
- Appropriate practice and awareness of ethical, social and cultural issues relevant to the areas, of grief, loss bereavement and palliative care.

Master of Grief and Palliative Care Counselling by Research

Academic Program Rules

1. General

1.1 This document must be read in conjunction with:

(a) The General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.x) *and*

(b) The Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2. Admission

2.1 Further to the Admission Rules listed on pages 8 and 9 of the general Academic Program Rules, admission to candidature for the Master in Grief and Palliative Care Research may be granted to:

(a) Persons who have qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, and who have at least two years' approved professional work experience.

Master of Medical Science

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 Further to Rule 5.1a of the General Program Rules, the Board of Research Education and Development may accept as a candidate for the degree a person who has qualified for:

(a) the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Adelaide *or*

(b) the Honours degree of Bachelor of Medical Science or Bachelor of Health Sciences or Bachelor of Science or Bachelor of Science in Dentistry of the University of Adelaide, at First or Second Class standard.

Master of Nursing Science

Academic Program Rules

1 Duration of program

To qualify for the Master of Nursing Science a candidate shall satisfactorily complete a program of full-time study extending over at least two years or a program of part-time study extending over at least four years.

2 Admission

2.1 An applicant for admission to the program for the Master of Nursing Science shall:

(a) have qualified for a Bachelor of Nursing of a university accepted for the purposes by the University or have at least two years post registration experience as a registered nurse *and*

(b) be registered, or be eligible for registration, as a nurse in South Australia

(c) have obtained the approval of the Department of Clinical Nursing.

2.2 Subject to the approval of Council, the Faculty may in special cases and subject to such conditions (if any) as it may seem fit to impose in each case, accept as a candidate for the Master of Nursing Science, a person who does not qualify for admission to the program under (2.1) above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Master of Nursing Science.

3 Assessment and examinations

3.1 There shall be four classes of pass in each course for the Master of Nursing Science: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate who fails to pass in the course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.

(b) A candidate who has twice failed the examination in any course or division of a course may not enrol for the course again except by special permission to be obtained in writing from the Manager, Academic Programs, and then only under such conditions as may be prescribed.

(c) For the purpose of this Rule a candidate who is refused permission to sit for examination, or who, without a reason accepted by the Head of the Department of Clinical Nursing as adequate, fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least 9 teaching weeks that semester, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 Unless exempted therefrom by the Faculty every candidate for the Master of Nursing Science shall:

(a) satisfactorily complete the Stage I requirements by qualifying for the award of the Graduate Diploma in Nursing Science or a Graduate Diploma in a nursing specialty offered by the Department of Clinical Nursing

or

satisfactorily complete a program of study to the value of 24 units, approved by the Department of Clinical Nursing, selected from a range of courses offered by the Department.

(b) satisfactorily complete the requirements of 4.1.1 and 4.1.2 below, or 4.1.1 and 4.1.3 below.

4.1.1 Core courses

All candidates shall complete the following core courses:

CLIN NUR 7001HO Empirical/Analytical Research	3
CLIN NUR 7002HO Interpretative & Critical Research	3

4.1.2 Dissertation

All candidates shall complete either:

CLIN NUR 7008AHO Research Dissertation B Part 1	6
and	
CLIN NUR 7008BHO Research Dissertation B Part 2	12
or	
CLIN NUR 7008AHO Research Dissertation B Part 1	6
and	
CLIN NUR 7009HO Research Dissertation B (Part-time) Progress	6
and	
CLIN NUR 7010HO Research Dissertation B (Part-time) Final	6

4.1.3 Dissertation and Electives

CLIN NUR 7005HO Research Dissertation	12
or	
CLIN NUR 7006HO Research Dissertation (Stage 1)	6
and	
CLIN NUR 7007HO Research Dissertation (Stage 2)	6
or	
CLIN NUR 7012HO Systematic and Critical Reviews of the Research	3
CLIN NUR 7013HO Critical Review Project	6
and	
two courses from the following:	
CLIN NUR7003HO International Issues in Nursing Service Delivery	3
CLIN NUR 7004HO The Emergence of a Theoretical Base for Nursing	3
CLIN NUR 7011HO Clinical Management	3

4.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Occupational Health and Safety

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or the equivalent of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Occupational Health & Safety shall:

(a) have qualified for an Honours degree of the University in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to an Honours degree of the University

(b) have qualified for the Graduate Diploma in Occupational Health and Safety Management with a minimum grade of at least Pass Division I in all courses *or*

(c) have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved relevant practical experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Certificate or Graduate Diploma in Occupational Health and Safety Management (see Rule 2.4 below).

2.3.2 Subject to the following clause, no candidate will be awarded more than 12 units of status.

2.3.3 Candidates who have completed the Graduate Diploma in Occupational Health and Safety Management or the Graduate Diploma in Occupational Health and Safety Management formerly offered by the University of South Australia, the Graduate Diploma in Occupational Health formerly offered by this University, or an equivalent award from another institution, may be granted exemption from all courses (other than the OHS Research Thesis) if in the opinion of the Faculty their studies are equivalent to the admission requirements set out in Rule 2.1 (b).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Occupational Health and Safety who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Occupational Health and Safety Management and who subsequently satisfies the requirements for the Master of Occupational Health and Safety must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass. Further a pass will be recorded in two divisions, with a Pass Division I being higher than a Pass Division II. To complete this award a candidate will be required to obtain an average mark of at least Credit standard in all courses except for the Research Thesis.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1.1 Core courses

All candidates shall complete the following core courses, being the requirement for the Master of Occupational Health and Safety Management:

PUB HLTH 7105HO Diseases of Occupation*	3
PUB HLTH 7130HO Occupational Hygiene and Ergonomics G*	3
PUB HLTH 7131HO Occupational Safety & Statistics **	3
PUB HLTH 7132HO OHS Management and Law 1G **	3

4.1.2 Elective courses

All candidates shall complete 12 units selected from the following elective courses:

PUB HLTH7014HO Occupational and Environmental Health Studies	3
PUB HLTH7114HO National Short Course in Environmental Health*	3
PUB HLTH 7133HO Advanced Ergonomics **	3
PUB HLTH 7134HO Advanced Occupational Hygiene*	3
PUB HLTH 7135HO Advanced OHS Management **	3
PUB HLTH 7136HO Occupational Safety**	3
PUB HLTH 7137HO Occupational Toxicology*	3
PUB HLTH 7138HO OHS Management and Law IIG**	3
PUB HLTH 7139HO OHS Research Methods***	3
PUB HLTH 7141HO Practical Occupational Health*	3

4.1.3 Research project

All candidates shall complete the following research course:

PUB HLTH 7142HO OHS Research Thesis ***	12

* offered by the University of Adelaide

** offered by the University of South Australia

*** offered by either university

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Psychology (Clinical)

Academic Program Rules

1 Duration of program

1.1 Except with the permission of the Faculty, the courses of study and the dissertation shall be completed in not more than two years of full-time study or four years of part-time study.

1.2 A student whose work on the dissertation is interrupted for a reason acceptable to the Dean may be granted an intermission of candidature by the Head of the Psychology Department on behalf of the Faculty. If such an application is approved the maximum period specified in clause 4.1 will be adjusted accordingly by adding the length of the intermission.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Psychology (Clinical) shall have qualified for an Honours degree of Bachelor, with Honours in Psychology, of the University of Adelaide or for an Honours degree of another institution accepted for the purpose by the University.

2.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a student for the Master's degree a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Master's degree.

2.3 Status, exemption and credit transfer

2.3.1 The Faculty may grant such status for other studies undertaken in the University or other institutions in any course as it may determine up to a maximum of 8 units, provided that any such course has not been presented for another degree.

2.3.2 Except by the special permission of the Head of the Department of Psychology, no student may gain status for the course 7114A/B Research Project in Clinical/Health Psychology for other studies undertaken in the University or other institutions.

3 Assessment and examinations

3.1 There shall be one of two systems of classification of pass in individual courses for the Master's degree: either Satisfactory; or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 On completion of the Research Project the student shall lodge with the Department three copies of the dissertation prepared in accordance with directions given to students from time to time. No dissertation or material presented for any other degree within this or any other institution shall be submitted.

3.3 Two examiners of the Research Project will be appointed by the Head of Department. Both examiners will normally be internal to the Department but not include the student's supervisor.

3.4 Review of academic progress

3.4.1 A student who fails a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.

3.4.2 A student who has twice failed a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

Attendance is required for at least 80% of the sessions in any compulsory course. A student who fails this requirement will not be eligible for examination unless there are extenuating circumstances.

3.4.3 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Head of the Department of Psychology as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the course is taught, shall be deemed to have failed the course.

3.4.4 If in the opinion of the Head of the Psychology Department a student for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the student shall cease to be enrolled for the degree.

4 Qualification requirements

4.1 Unless exempted therefrom by the Faculty all students will satisfactorily complete Compulsory Courses to the value of 22 units, Three eighteen-week periods (of 5 half-days per week or equivalent) of placement in different institutions or organisations offering psychological services approved by

the Head of the Department of Psychology, and a Research Dissertation.

4.2 In the normal pattern of study, students enrolled on a full-time basis will complete the courses PSYCHOL 7101A/B, PSYCHOL 7102, PSYCHOL 7103, PSYCHOL 7105, PSYCHOL 7106, PSYCHOL 7107, PSYCHOL 7108, PSYCHOL 7109 and PSYCHOL 7110, and one placement, during first year. They should also do preliminary work on their research project although they will not enrol formally until second year. During second year they will complete PSYCHOL 7104, two further placements and the research project. Students may wish to consider linking the research project to one of the placements.

4.3 Academic program

Unless exempted therefrom by the Faculty of Health Sciences, every student for the degree shall satisfactorily complete the following three components:

4.3.1 Coursework courses

All students shall complete the following compulsory courses:

PSYCHOL 7101A/B Adult Clinical Psychology Part 1 & 2	4
PSYCHOL 7102 Applied Methodology	2
PSYCHOL 7103 Child Clinical Psychology	2
PSYCHOL 7104 Clinical Neuropsychology	2
PSYCHOL 7105 Preparation for Psychological Practice II	2
PSYCHOL 7106 Health Psychology	2
PSYCHOL 7107 Preparation for Psychological Practice I	2
PSYCHOL 7108 Psychological Assessment	2
PSYCHOL 7109 Psychological and Health Aspects of Ageing	2
PSYCHOL 7110 Rehabilitation and Disability	2

4.3.2 Placements

Three placements, as follows:

PSYCHOL 7111 Placement I	4
PSYCHOL 7112 Placement II (M)	4
PSYCHOL 7113 Placement III (M)	4

4.3.3 Research project

PSYCHOL 7114 A/B Research Project in Clinical/Health Psychology	14

4.4 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Psychology (Organisational and Human Factors)

Academic Program Rules

1 Duration of program

1.1 Except with the permission of the Faculty, the courses of study and the dissertation shall be completed in not more than two years of full-time study or four years of part-time study.

1.2 A student whose work in the Program is interrupted for a reason acceptable to the Head of the Department of Psychology may be granted an intermission of candidature by the Head on behalf of the Faculty. If such an application is approved the maximum period specified in clause 4.2 will be adjusted accordingly by adding the length of the intermission.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Psychology (Organisational and Human Factors) shall have qualified for an Honours degree of Bachelor, with Honours in Psychology, of Adelaide University or for an Honours degree of another institution accepted for the purpose by the University.

2.2 Status, exemption and credit transfer:

2.2.1 The Faculty may grant such status for other studies undertaken in the University or other institutions in any course as it may determine up to a maximum of 8 units, provided that any such course has not been presented for another degree.

2.2.2 Except by the special permission of the Head of the Department of Psychology, no student may gain status for the course PSYCHOL 7225A/B Research Project in Organisational Psychology and Human Factors for other studies undertaken in the University or other institutions.

3 Assessment and examinations

3.1 There shall be one of two systems of classification of pass in individual courses for the Master's degree: either Satisfactory; or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 On completion of the Research Project the student shall lodge with the Department two copies of the dissertation prepared in accordance with directions given to students from time to time. No dissertation or material presented for any other degree within this or any other institution shall be submitted.

3.3 Two examiners of the Research Project will be appointed by the Head of Department. Both examiners will normally be internal to the Department but not include the student's supervisor.

3.4 Review of academic progress

3.4.1 A student who fails a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.

3.4.2 A student who has twice failed a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed. Attendance is required for at least 80% of the sessions in any compulsory course. A student who fails this requirement will not be eligible for examination unless there are extenuating circumstances.

3.4.3 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Head of the Department of Psychology as adequate, attend all or part of a final examination after having enrolled for at least two thirds of the normal period during which the course is taught, shall be deemed to have failed the course.

3.4.4 If in the opinion of the Head of the Department of Psychology a student for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the student shall cease to be enrolled for the degree.

4 Qualification requirements

4.1 Unless exempted therefrom by the Faculty, all students will satisfactorily complete Compulsory Courses to the value of 22 units, three 18-week periods (of 5 half-days per week or equivalent) of placement in different institutions or organisations offering psychological services approved by the Head of the Department of Psychology, and a Research Dissertation.

4.2 In the normal pattern of study, students enrolled on a full-time basis will complete the courses PSYCHOL 7110, PSYCHOL 7201, PSYCHOL 7202, PSYCHOL 7203, PSYCHOL 7204, PSYCHOL 7207, PSYCHOL 7208, PSYCHOL 7209,

PSYCHOL 7210, and PSYCHOL 7211 and one placement, during first year. They should also do preliminary work on their research project although they will not enrol formally for that project until second year. During second year they will complete PSYCHOL 7205, two further placements, and the research project. Students may wish to consider linking the research project to one of the placements.

4.3 Program of study

Unless exempted therefrom by the Faculty of Health Sciences, every student for the degree shall satisfactorily complete the following three components:

4.3.1 Coursework courses

All students shall complete the following compulsory courses:

PSYCHOL 7110 Rehabilitation and Disability	2
PSYCHOL 7201 Applied Methodology and Statistics	2
PSYCHOL 7202 Applied Perceptual and Cognitive Psychology	2
PSYCHOL 7203 Consumer Psychology	2
PSYCHOL 7204 Decision Making in Applied Situations	2
PSYCHOL 7206 Human Factors/Ergonomics	2
PSYCHOL 7207 Human Resource Management	2
PSYCHOL 7208 Individual and Organisational Change and Development	2
PSYCHOL 7209 Organisational Behaviour and Management	2
PSYCHOL 7210 Professional and Ethical Practice	2
PSYCHOL 7211 Psychological Assessment: Recruitment and Personnel Appraisal	2

4.3.2 Placements

Three placements, as follows:

PSYCHOL 7221 Placement I	4
PSYCHOL 7222 Placement II	4
PSYCHOL 7223 Placement III	4

4.3.3 Research Project

PSYCHOL 7225A/B Research Project in Organisational Psychology and Human Factors	14

4.4 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Public Health

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or the equivalent of part-time study.

2 Admission

2.1 The Faculty of Medicine may accept as a candidate for the degree any person who has qualified for a degree of the University of Adelaide or of another university.

2.2 Subject to the approval of the Board of Research Education and Development acting with authority wittingly devolved to it by Council the Faculty of Medicine may in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not meet the requirements specified in 2.1 above if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.

2.3 The Faculty of Medicine may require an applicant to complete such preliminary work as it may prescribe before being accepted as a candidate for the degree.

2.4 Status, exemption and credit transfer

2.4.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any other award (see Rule 2.5 below).

2.4.2 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Public Health.

2.4.3 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.5 Articulation with other awards

2.5.1 A candidate for the Master of Public Health who does not complete the requirements for the Master's degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.5.2 A candidate who has been admitted to the Graduate Diploma in Public Health or the Graduate Certificate in Public Health and who subsequently satisfies the requirements for the Master of Public Health must surrender the Graduate Diploma or Graduate Certificate respectively before being admitted to the Master degree.

3 Assessment and examination

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1.1 Core courses

All candidates shall complete the following core courses:

PUB HLTH 7100HO Foundations of Public Health	3
PUB HLTH 7101HO Introduction to Epidemiology and Biostatistics	3
PUB HLTH 7102HO Public Health Policy	3

4.1.2 Elective courses

All candidates shall complete 15 units selected from the following elective courses:

DENT 7150HO Dental Public Health	3
PUB HLTH 7031HO Occupational Hygiene and Ergonomics	3
PUB HLTH 7104HO Biostatistics	3
PUB HLTH 7105HO Diseases of Occupation	3
PUB HLTH 7106HO Epidemiological Research Methods	3
PUB HLTH 7107HO Epidemiology of Infectious Diseases	3
PUB HLTH 7108HO Ethical Issues in Public Health	3

PUB HLTH 7109HO Health Promotion	3
PUB HLTH 7110HO Health Resource Allocation	3
PUB HLTH 7111HO Industrial Toxicology	3
PUB HLTH 7113HO Introduction to Environmental and Occupational Health	3
PUB HLTH 7114HO National Short Course in Environmental Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7117HO Public Health Policy and Ageing	3
PUB HLTH 7118HO Public Health Studies	3
PUB HLTH 7121HO Health Program Evaluation	3
PUB HLTH 7123HO Rural Public Health	3
PUB HLTH 7124HO Population Health for Clinicians A	3
PUB HLTH 7125HO Population Health for Clinicians B	3
PUB HLTH 7126HO Quantitative Research in Practice	3
PUB HLTH 7146HO An Anthropological Lens on Public Health	3
PUB HLTH 7147HO Health Technology Assessment	3

Other courses offered by this University or other universities which the Faculty approves for presentation in lieu of elective courses listed above up to the value of 3 units.

4.1.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the following course:

PUB HLTH 7119HO MPH Dissertation (full-time)	12
PUB HLTH 7120HO MPH Dissertation (part-time)	12

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Surgery

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Admission

2.1 Further to Rules 5.1 to 5.4 of the General Academic Program Rules, the following persons may be accepted as candidates for the degree of Master of Surgery:

(a) Bachelors of Surgery of the University of Adelaide

(b) Graduates in surgery of another university who hold a degree which is accepted by the Board of Research Education and Development on the recommendation of the Faculty as equivalent to the degree of Bachelor of Surgery of the University of Adelaide.

2.2 No person may be awarded the degree of Master of Surgery until three years has elapsed since the candidate was awarded the MBBS degree.

2.3 A candidate for the degree shall submit evidence satisfactory to the Faculty of having had special training in surgery including at least one year's basic surgical training, or equivalent, in a teaching hospital recognised by the Faculty for the purpose.

Master of Psychology (Clinical)/Doctor of Philosophy

Academic Program Rules

1 There shall be a Master of Psychology (Clinical) and Doctor of Philosophy combined degree program

2 Rules

2.1 The Vice-Chancellor, with authority devolved to her/him by Council, and after receipt of advice from the Board of Research Education and Development, shall from time to time prescribe Rules defining the academic standing required for candidature, eligibility for enrolment, the program of study and research for the combined degree program, the condition of candidature and the assessment for the degree.

2.2 Such Rules shall become effective from the date of prescription by the Vice-Chancellor or such other date as the Vice-Chancellor may determine.

3 Academic standing

3.1 The academic standing required for acceptance as a candidate for the combined degree of Master of Psychology (Clinical) and Doctor of Philosophy shall be an Honours degree of Bachelor, with Honours in Psychology of First Class Standard of the University of Adelaide, or an Honours degree of another institution accepted for the purpose by the University. Applications from students with other qualifications will require the approval of the Faculty of Health Sciences and the Board of Research Education and Development.

3.2 A person who holds a degree of another university may be accepted as a candidate provided that the program of study undertaken and the academic standard reached are equivalent to those required of a candidate who is a graduate of the University of Adelaide.

3.3 Acceptance of a candidate in the combined degree program will also require selection based on the usual entry criteria for the Master of Psychology (Clinical) program which include referee reports and a structured interview to assess suitability for the profession.

4 Credit for work previously completed

4.1 The Faculty of Health Sciences may grant such status as it may determine up to a maximum of 8 units for courses undertaken at another institution, provided that any such coursework has not been presented for another degree.

4.2 The Board may grant credit in the program for research undertaken in another program in the University or in another university or tertiary institution.

4.3 The Board may also grant credit for research undertaken in an organisation other than a University or tertiary institution.

4.4 In consideration for acceptance under Rules 4.2 or 4.3, the Board must be satisfied that

(a) the person is of such academic standing as would be required of other candidates for the degree *and*

(b) the person's progress so far has been satisfactory and the research for which credit is granted is of a satisfactory standard.

5 Enrolment

5.1 A person shall not be enrolled as a candidate for the combined degree unless the applicant's proposed field of study and research is acceptable to the Department responsible for the supervision of the candidate's work.

5.2 Except with the permission of the Dean of Graduate Studies, a candidate may not enroll concurrently in another academic program.

5.3 Except with the permission of the Dean of Graduate Studies, a candidate who is permitted to enroll concurrently in another academic program and who is granted leave of absence must intermit all academic programs in which they are enrolled.

6 Duration of candidature and mode of study

A candidate may proceed to the degree by full-time study or, if the Head of the Department is satisfied that the candidate has adequate time to pursue supervised research under the control of the University, by half-time study. Except in circumstances approved by the Board, all coursework, placements and the research thesis shall normally be completed and the thesis submitted:

(a) in the case of a full-time candidate, not less than two years and not more than four years from the date of commencement of candidature.

(b) in the case of a half-time candidate, not less than four years and not more than eight years from the date of commencement of candidature.

7 Work for the degree

7.1 A candidate shall pursue an approved program of study and research under the control of the University and under the general guidance of supervisors appointed by the University. At least one supervisor shall be a member of the academic staff of the Department in which the candidate is enrolled.

7.2 Unless exempted by the Faculty, all students will satisfactorily complete compulsory courses to the value of 18 units and one elective to the value of 2 units, three 18-week periods (of 5 half-days per week or equivalent) of supervised placement (12 units) in institutions or organisations offering clinical psychological services approved by the Head of the Department of Psychology, and a research project.

7.3 Academic program

Unless exempted there from by the Faculty of Health Sciences, every student for the combined degree shall satisfactorily complete the following four components:

7.3.1 Compulsory courses

PSYCHOL 7101A/B Adult Clinical Psychology	4
PSYCHOL 7102 Applied Methodology	2
PSYCHOL 7103 Child Clinical Psychology	2
PSYCHOL 7104 Clinical Neuropsychology	2
PSYCHOL 7105 Preparation for Psychological Practice II	2
PSYCHOL 7106 Health Psychology	2
PSYCHOL 7107 Preparation for Psychological Practice	2
PSYCHOL 7108 Psychological Assessment	2

7.3.2 Elective course

One course from the following:

PSYCHOL 7109 Psychological and Health Aspects of Ageing	2
PSYCHOL 7110 Rehabilitation and Disability	2

7.3.3 Placements

All placements are compulsory:

PSYCHOL 7111 Placement I	4
PSYCHOL 7112 Placement II	4
PSYCHOL 7113 Placement III	4

7.3.4 Research thesis

Research Project in Clinical Psychology

7.4 The candidate shall present the context and importance of the research at a Department seminar.

7.5 The Head of Department shall certify that the thesis is worthy of examination.

8 Assessment

8.1 There shall be one of two systems of classification of pass in individual courses for the combined degree: either Non Graded Pass; or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

8.2 Attendance is required for at least 80% of the sessions in any compulsory or optional course. A student who fails to meet this requirement will be awarded the result of Incomplete Fail unless there are extenuating circumstances.

8.3 On the completion of the approved program of study and research, a candidate shall submit a thesis embodying the results of that study and research, and may submit also, in support of the thesis, other relevant material. No thesis or material presented for any other degree within this or any other institution shall be so submitted. The Board shall prescribe the form in which the thesis shall be submitted and the number of copies to be submitted.

8.4 The thesis and any other material submitted shall be assessed by examiners external to the University.

9 Required program of activities at the commencement of candidature

9.1 Each candidate will be enrolled on a provisional basis for the first twelve months of the degree.

9.2 Continuation of enrolment at the end of this period will depend on overall academic progress and the completion of set activities to the satisfaction of the Department. These activities will form part of a Structured Program of activities extending through the candidature.

9.3 Such activities will be determined by the Department and in the first year will include the completion and presentation of the research proposal and other programs and skills training deemed necessary by the Department.

9.4 The research proposal will be agreed and submitted to the Adelaide Graduate Centre preferably within nine , but no later than twelve months from the commencement of candidature.

9.5 A major review of progress after twelve months will recommend confirmation of candidature, termination, or the extension of provisional status. In the case of extension, a further review after a clearly defined period, normally three but not in excess of six months would form the basis for confirmation or termination or change to a single program enrolment.

10 Remote candidature

10.1 Enrolment as a remote candidate may be permitted for some periods of the candidature associated with the research project on the conditions that the Department can ensure, and the Board of Research Education and

Development is satisfied, that appropriate external supervision, with appropriate affiliation, and facilities are available.

10.2 A remote candidate will be required to complete periods of residence in the University of Adelaide as determined by the Board of Research Education and Development in consultation with the Department.

10.3 In accordance with Rule 8, a remote candidate may proceed to the degree either by full-time or half- time study.

10.4 On the recommendation of the Department, the Board at any time may permit an enrolled student to enrol as a remote candidate subject to the conditions specified in 10.1, 10.2 and 10.3 above.

10.5 A remote candidate may be permitted to convert to an internal mode of attendance and shall be subject to the conditions normally applied.

10.6 Not withstanding Rules 10.1 to 10.4 above, remote candidates are also required to abide by the other Rules and guidelines for the degree of Master of Psychology (Clinical)/ Doctor of Philosophy.

11 Review of Academic Progress

11.1 The Board or Faculty may review the progress of a candidate at any time during the program and, if the candidate's progress is unsatisfactory, may terminate the candidature and the student shall cease to be enrolled for the degree.

11.2 A formal review of the candidate's progress shall be conducted by the Department at least once a year in accordance with the guidelines determined by the Board of Research Education and Development and outlined in the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research.

11.3 A formal review and confirmation of candidature will occur twelve months after enrolment (see 9.5 above). Subsequent reviews will occur around October each year with written reports forwarded to the Dean of Graduate Studies. A candidate's re-enrolment in the following year is conditional upon satisfactory progress in the year of the review.

11.4 A student who fails a course and desires to take this course again shall attend the lectures and seminars and do such written and practical work as the teaching staff concerned may prescribe. No student shall be permitted to repeat a course more than once without the approval in writing of the Head of the Department concerned.

12 Absence from the University

Except for remote candidates, the Board, on the recommendation of the Department concerned, may permit a candidate to pursue, away from the University, work connected with the research for the degree Such permission may only be granted when the candidate has completed or deemed to have completed the Structured Program.

13 Leave of Absence

A candidate whose work is interrupted for a period of time may be granted a leave of absence by the Board of up to 12 months. If such an application is approved, the minimum and maximum periods specified in Rule 6 will be adjusted accordingly by the length of the leave of absence.

14 Extension of candidature

A candidate may be granted, by the Board, only one extension of candidature of twelve months beyond the maximum period specified in Rule 6. If the thesis has not been submitted by the end of the extended period, the candidature will lapse.

15 Completion of thesis outside the university

A candidate who has completed the equivalent of two years of full-time work under the control of the University and who has completed the required experimental work, coursework, and placements and whose research progress is sufficiently well advanced to permit the satisfactory completion of the thesis outside the University, may be granted permission by the Board to complete the writing-up of the thesis outside the University. If such permission is granted the candidate will be allowed either twelve months or until the end of candidature, whichever is the lesser, to submit the thesis. If the thesis has not been submitted by the end of the writing-up period the candidature will lapse.

16 Lapsed candidature

16.1 A candidature that has lapsed will be resumed if the completed thesis, which has not departed from the field of study which was being pursued before the candidature lapsed, is subsequently submitted to the Manager, Graduate Administration and Scholarships. The thesis will only be accepted if the Department certifies that it is satisfactory to that Department.

16.2 Approval of the Board is required for resumption of a lapsed candidature under any other conditions.

16.3 In special circumstances, the Board may approve the resumption of a lapsed candidature for one period of up to six months (whether full- or half time) prior to the submission of the completed thesis.

17 Intention to submit thesis

A candidate shall notify the Manager, Graduate Administration and Scholarships, in writing, approximately three months before he or she expects to submit the thesis required under Rule 17. A summary of the thesis, together with the proposed thesis title, shall be submitted at the same time.

18 Submission of thesis

18.1 On completion of the approved program of study and research, including all coursework and placement requirements, a candidate shall submit a thesis embodying the results of that study and research, and may submit also, in support of the thesis, other relevant material.

18.2 The thesis shall:

(a) display original and critical thought

(b) be a significant contribution to knowledge

(c) relate the topic of research to the broader framework of clinical psychology *and*

(d) be clearly, accurately and cogently written and be suitable illustrated and documented.

18.3 The Board shall prescribe the form in which the thesis shall be submitted and the number of copies to be submitted.

19 Appointment of thesis examiners

19.1 Candidates shall have the right to submit objections to the appointment of potential examiners of their thesis. Any such objections should be submitted to the Manager, Graduate Administration and Scholarships, at the same time as the notification of intention to submit required under Rule 17.

19.2 The Board shall appoint two thesis examiners who are external to the University, taking account of any objections raised under Rule 19.1 and the recommendations of the Head of the Department.

19.3 The examiners shall be requested to report in such form as the Board will determine and to recommend one of the alternatives listed in Rule 20.

19.4 After consideration of the reports of the examiners, the Board may appoint a third external examiner and/or an external arbitrator.

20 Examination results

20.1 After consideration of the reports of the examiners, the Board shall determine that:

(a) the thesis meets criteria for the Doctor of Philosophy and the candidate therefore be awarded the Master of Psychology (Clinical)/Doctor of Philosophy *or*

(b) the thesis meets criteria for the Doctor of Philosophy and the candidate therefore be awarded the Master of Psychology (Clinical)/Doctor of Philosophy but that minor amendments be made to the thesis *or*

(c) the thesis meets criteria for the Doctor of Philosophy and the candidate therefore be awarded the Master of Psychology (Clinical)/Doctor of Philosophy subject to specified amendments being made to the thesis *or*

(d) the thesis does not meet criteria for the Doctor of Philosophy and therefore the candidate be not awarded the Master of Psychology (Clinical)/Doctor of Philosophy but be permitted to re-submit the thesis for examination in a revised form *or*

(e) the thesis meets criteria for the Master of Medical Science *or*

(f) the thesis meets criteria for the Master of Medical Science upon making suitable amendments to the thesis *or*

(g) the thesis does not meet criteria for the Master of Medical Science

20.2 In the event of an examination outcome of (e), (f) or (g), providing that all coursework and placement requirements have been completed satisfactorily, the candidate may be permitted on the recommendation of the Head of the Department to re-enrol in the Master of Psychology (Clinical) and to present additional aspects of research to satisfy requirements for award of the Master of Psychology (Clinical) degree.

21 Deposit of thesis in the library

Such number of copies of a thesis and any other material on which the degree is awarded shall be deposited in the Barr Smith Library or elsewhere in the University as determined by the Board. Unless otherwise determined by the Board, the copies shall be available for loan and photocopy.

22 Loan or photocopy of thesis

A candidate who does not wish to allow the thesis to be lent or photo-copied when it is deposited in the Library under Rule 21 shall make written application to the Manager, Graduate Administration and Scholarships, at the same time as he or she notifies his or her intention to submit under Rule 17. The withholding of such permission and the period of time involved shall be determined by the Board.

23 General

When, in the opinion of the Board of Research Education and Development, special circumstances exist, the Board on the recommendation of the Department, may vary any of the provisions in Rules 1-22 above.

Doctor of Medicine

Academic Program Rules

1 The following persons may be accepted as candidates for the degree of Doctor of Medicine:

(a) Bachelors of Medicine of the University of Adelaide

(b) Graduates in medicine of another university, but who have had a substantial association with the University of Adelaide, and who hold a degree which is accepted by the School of Medicine as equivalent to the degree of Bachelor of Medicine of the University of Adelaide.

1.1 Under normal circumstances, one would not expect this award to be given to an applicant with less than eight-years of highly productive and original research in the field of medicine. However, the Doctor of Medicine may be awarded, in exceptional cases, for shorter periods of outstanding work.

2 A candidate may only proceed to the award by the submission of previously published work.

2.1 A person who desires to become a candidate for the award shall give notice of the intended candidature, in writing, to the Adelaide Graduate Centre and, with such notice, shall furnish particulars of his/her medical achievements and of the work to be submitted for the award. No work presented for the award may include material which has been accepted for any other degree or qualification of any university or institution.

2.2 The School of Medicine shall appoint a committee to assess the information provided and to advise on whether the School should:

(a) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted *or*

(b not allow the applicant to proceed.The School's decision shall be conveyed to the applicant.

2.3 If the School approves the subject or subjects of the work, and the candidate proceeds with the submission, the School shall nominate three external examiners, all of whom will be eminent in the field of the submitted work; all of whom will still be active in research and experienced in the supervision and examination of work at this level.

3 To qualify for the award, the candidate shall furnish satisfactory evidence that he/she has made an original and substantial contribution to medical knowledge.

3.1 The Doctor of Medicine shall be awarded primarily on a consideration of such published works as a candidate may submit for examination.

3.2 The candidate in submitting published works shall state generally in a preface, and more specifically in notes, the main sources from which the information is derived and the extent to which the candidate has made use of the work of others, especially where joint publications are concerned. The candidate may also signify in general terms the portions of the work claimed as original.

3.3 The outcome of the examination shall be either 'award the MD' or 'not award the MD'

4 The candidate shall lodge with Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in the Specifications for Thesis, the University of Adelaide's Calendar 2004, Handbook of Postgraduate Programs.

5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

Doctor of Nursing

Academic Program Rules

1 There shall be a degree of Doctor of Nursing.

Rules

2.1 The Vice-Chancellor, with authority devolved to her/him by Council, and after receipt of advice from the Board of Research Education and Development, shall from time to time prescribe Rules defining the academic standing required for candidature, eligibility for enrolment, the program of study and research for the degree, the condition of candidature and the assessment for the degree.

2.2 Such Rules shall become effective from the date of prescription by the Vice-Chancellor or such other date as the Vice-Chancellor may determine.

Guidelines

3 The Board of Research Education and Development may from time to time approve guidelines on any matters included in these Rules and may authorise the Dean of Graduate Studies or the Manager, Graduate Administration and Scholarships, to act in accordance with such guidelines without reference to the Board in each case.

Academic standing

4.1 The academic standing required for acceptance as a candidate for the degree shall be an Honours degree of Bachelor of at least a IIA Standard or a degree of Master of the University of Adelaide or the equivalent thereof *. Applications from students with other qualifications will require the approval of the Board of Research Education and Development.

* Where a Master's degree is presented as a qualification for admission to a D.Nurs. program, the Master's degree must contain a research component deemed appropriate by the Board of Research Education and Development. A Master's degree which contains only coursework will not be accepted for this purpose.

4.2 A person who holds a degree of another university may be accepted as a candidate provided that the program of study undertaken and the academic standard reached are equivalent to those required of a candidate who is a graduate of the University of Adelaide.

4.3 The Board may accept as a candidate a graduate who does not qualify under Rules 4.1 or 4.2 but

(a) has completed to the satisfaction of the Board at least one year of full-time postgraduate study or research *and*

(b) has passed a qualifying examination of Honours standard prescribed by the appropriate Faculty and approved by the Board.

Credit for work previously completed

5.1 The Board may grant credit in the program for the degree of Doctor of Nursing for research undertaken in another program in the University or in another university or tertiary institution.

5.2 The Board may also grant credit for research undertaken in an organisation other than a University or tertiary institution.

5.3 In consideration for acceptance under Rules 5.1 or 5.2, the Board must be satisfied that

(a) the person is of such academic standing as would be required of other candidates for the degree and

(b) the person's progress so far has been satisfactory and the research for which credit is granted is of a satisfactory standard.

Enrolment

6.1 A person shall not be enrolled as a candidate for the degree unless:

(a) the applicant's proposed field of study and research is acceptable to the University and the School/ Discipline responsible for the supervision of the candidate's work

(b) in the case of a person granted credit under Rule 5.1, at least one year of full-time study and research, or its equivalent, will still be necessary to complete the work for the degree

(c) in the case of a person granted credit under Rule 5.2, at least two years of full-time study and research, or its equivalent, will be necessary to complete the work for the degree.

6.2 Except with the permission of the Dean of Graduate Studies, a candidate may not enrol concurrently in another academic program.

6.3 Except with the permission of the Dean of Graduate Studies, a candidate who is permitted to enroll concurrently in another academic program and who is granted leave of absence must intermit all academic programs in which they are enrolled.

Duration of candidature and mode of study

7 A candidate may proceed to the degree by full-time study or, if the head of the Department concerned is satisfied that the candidate has adequate time to pursue supervised research under the control of the University, by half-time study. Except in circumstances approved by the Board, the work for the degree shall be completed and the portfolio submitted:

(a) in the case of a full-time candidate, not less than two years and not more than three years from the date of commencement of candidature

(b) in the case of a half-time candidate, not less than four years and not more than six years from the date of commencement of candidature

(c) in the case of a candidate granted credit under Rule 5.1 the candidature shall normally expire

(i) in the case of a full-time candidate, not less than one year and not more than four three years from the date the candidate commenced work in the other program *or*

(ii) in the case of a half-time candidate, not less than two years and not more than eight six years from the date the candidate commenced work in the other program.

(d) in the case of a candidate granted credit under Rule 5.2 the candidature shall normally expire

(i) in the case of a full-time candidate, not less than two years and not more than four three years from the date the candidate commenced work under the control of the University *or*

(ii) in the case of a half-time candidate, not less than four years and not more than eight six years from the date the candidate commences work under the control of the University.

Work for the degree

8.1 A candidate shall pursue an approved program of study and research under the control of the University and under the general guidance of supervisors appointed by the University. At least one supervisor shall be a member of the academic staff of the Department of the University in which the candidate is enrolled.

8.2 A doctoral portfolio will comprise a conventional written narrative presented as typescript (see University Calendar Specifications for PhD).

8.3 The candidate shall present the context and importance of the research at a Department seminar.

8.4 The head of Department shall certify that the portfolio is worthy of examination.

Required program of activities at the commencement of candidature

9.1 Each candidate (including those on remote candidature) will be enrolled on a provisional basis for the first twelve months of the degree.

9.2 Continuation of enrolment at the end of this period will depend on overall academic progress and the completion of set activities to the satisfaction of the School/ Discipline concerned. These activities will form part of a Structured Program of activities extending through the candidature.

9.3 Such activities will be determined by the Discipline through which the candidate is enrolled and in the first year will include the completion and presentation of one research proposal and other programs and skills training deemed necessary by the Discipline.

9.4 The research proposal will be agreed and submitted to the Adelaide Graduate Centre preferably within three, but no later than six months from the commencement of candidature.

9.5 A major review of progress after twelve months will recommend confirmation of candidature, termination, or the extension of provisional status. In the case of extension, a further review after a clearly defined period, normally three but not in excess of six months, would form the basis for confirmation or termination or change to a Masters enrolment.

Remote candidature

10.1 Enrolment as a remote candidate may be permitted on the conditions that the Department concerned can ensure, and the Board of Research Education and Development is satisfied, that appropriate external supervision, with appropriate affiliation, and facilities are available.

10.2 A remote candidate may be required to complete a period of residence in the University of Adelaide as determined by the Board of Research Education and Development in consultation with the Department concerned.

10.3 In accordance with Rule 7, a remote candidate may proceed to the degree either by full-time or half- time study.

10.4 On the recommendation of the Department, the Board at any time may permit an enrolled student to enrol as a remote candidate subject to the conditions specified in 10.1, 10.2 and 10.3 above.

10.6 Not withstanding Rules 11.1 to 11.4 above, remote candidates are also required to abide by the other Rules and guidelines for the Degree of Doctor of Nursing.

Review of academic progress

11.1 The Board may review the progress of a candidate at any time during the program of candidature and, if the candidate's progress is unsatisfactory, may terminate the candidature.

11.2 A formal review of a candidate's progress shall be conducted by the Discipline at least once a year in accordance with guidelines determined by the Board of Research Education and Development and outlined in the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees.

11.3 The first formal review and confirmation of candidature will occur twelve months after enrolment (see 9.2 above). Subsequent reviews will occur around October each year with written reports forwarded to the Dean of Graduate Studies. A candidate's re-enrolment in the following year is conditional upon satisfactory progress in the year of the review.

Absence from the university

12 Except for remote candidates, the Board, on the recommendation of the Department concerned, may permit a candidate to pursue away from the University work connected with the research for the degree. Such a permission may only be granted under special circumstances during provisional candidature.

Leave of absence

13 A candidate whose work is interrupted for a period of time may be granted a leave of absence by the Board of up to 12 months. If such an application is approved the minimum and maximum periods specified in Rule 7 will be adjusted accordingly by adding the length of the leave of absence.

Extension of candidature

14 A candidate may be granted by the Board one extension of candidature only of twelve months beyond the maximum period specified in Rule 7. If the portfolio has not been submitted by the end of the extended period the candidature will lapse.

Completion of portfolio outside the university

15 Except for candidates admitted under Rule 6, a candidate who has completed the equivalent of two years of full-time work under the control of the University, who has completed the experimental work (where appropriate) and whose progress is sufficiently well advanced to permit the satisfactory completion of the portfolio outside the University, may be granted permission by the Board to complete the writing-up of the portfolio outside the University. If such a permission is granted the candidate will be allowed either twelve months or until the end of candidature, whichever is the lesser, to submit the portfolio. If the portfolio has not been submitted by the end of the writing-up period the candidature will lapse.

Lapsed candidature

16.1 A candidature which has lapsed will be resumed if the completed portfolio, which has not departed from the field of study which was being pursued before the candidature lapsed, is subsequently submitted to the Manager, Graduate Administration and Scholarships. The portfolio will only be accepted if the Department certifies that it is satisfactory to that Department.

16.2 Approval of the Board is required for the resumption of a lapsed candidature under any other conditions.

16.3 In special circumstances the Board may approve the resumption of a lapsed candidature for one period of up to six months (whether full- or half-time) prior to the submission of the completed portfolio.

Intention to submit portfolio

17 A candidate shall notify the Manager, Graduate Administration and Scholarships, in writing, approximately three months before he or she expects to submit the portfolio required under Rule 18. A summary of the portfolio, together with the proposed portfolio title, shall be submitted at the same time.

Submission of portfolio

18.1 On completion of the approved program of study and research a candidate shall submit a portfolio embodying the results of studies and research, and may submit also, in support of the portfolio, other relevant material.

18.2 The portfolio submitted shall:

(a) display original and critical thought

(b) be a significant contribution to knowledge

(c) relate the topic of research to the broader framework of the discipline within which it falls and

(d) be clearly, accurately and cogently written and be suitably illustrated and documented.

18.3 The portfolio shall be assessed by examiners external to the University.

18.4 No portfolio presented for any other degree within this or any other institution shall be so submitted.

18.5 The Board shall prescribe the form in which the portfolio shall be submitted and the number of copies to be submitted.

Appointment of examiners

19.1 Candidates shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to the Manager, Graduate Administration and Scholarships, at the same time as the notification of intention to submit required under Rule 19. Such objections do not serve as a veto.

19.2 The Board shall appoint two examiners who are external to the University, taking account of any objections raised under Rule 19.1 and the recommendations of the head of the relevant Discipline.

19.3 The examiners shall be requested to report in such form as the Board will determine and to recommend one of the alternatives listed in Rule 20.

19.4 After consideration of the reports of the examiners, the Board may appoint a third external examiner and/or an external arbitrator.

Examination results

20 After consideration of the reports of the examiners and such other information as it thinks fit, the Board shall determine that:

(a) the candidate be awarded the degree *or*

(b) the candidate be awarded the degree but that minor amendments be made to the portfolio *or*

(c) the candidate be awarded the degree subject to the specified amendments being made to the portfolio *or*

(d) the candidate be not awarded the degree but be permitted to re-submit the portfolio in a revised form *or*

(e) the candidate be awarded the appropriate degree of Master *or*

(f) the candidate be awarded the appropriate degree of Master upon making suitable amendments to the portfolio *or*

(g) the candidate be not awarded the degree of Doctor of Nursing or the degree of Master.

Deposit of portfolio in the library

21 Such number of copies of a portfolio shall be deposited in the Barr Smith Library or elsewhere in the University as determined by the Board. Unless otherwise determined by the Board, the copies shall be available for loan and photocopy.

Loan or photocopy of portfolio

22 A candidate who does not wish to allow the portfolio to be lent or photocopied when it is deposited in the Library under Rule 21 shall make a written application to the Manager, Graduate Administration and Scholarships, at the same time as he or she notifies his or her intention to submit under Rule 17. The withholding of such permission and the period of time involved shall be determined by the Board.

General

23 When, in the opinion of the Board of Research Education and Development, special circumstances exist, the Board, on the recommendation of the relevant Department in each case, may vary any of the provisions in Rules 1-22 above.

Elder School of Music

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www.music.adelaide.edu.au

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Please refer to the Adelaide Graduate Centre
for Academic Program Rules 3

* No further intakes into this program.

Postgraduate awards in the Elder School of Music

- Graduate Diploma in Music Performance
- Master of Music
- Master of Music (Performance)
- Master of Music Theory
- Doctor of Music

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Graduate Diploma in Music

e: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

There shall be a Graduate Diploma in Music Performance.

2 Duration of program

To qualify for the Graduate Diploma a candidate shall complete a program of study extending over one year as a full-time student, or not less than two years as a part-time student.

3 Admission

3.1 The Faculty may accept as a candidate for the Graduate Diploma any person who has qualified for:

(a) a Bachelor degree of Bachelor of Music (New) of the University of Adelaide which the Faculty judges to have been attained at above-average standard

(b) the degree of the Bachelor of Arts of the University of Adelaide which has within it a major sequence in Music or its equivalent. These courses must have been attained at above-average standard *or*

(c) a degree in Music of another institution which is accepted for the purpose by the Faculty.

3.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for a Graduate Diploma a person who does not qualify for admission to the program under Academic Program Rule 3.1 but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3.3 Status, exemption and credit transfer

Candidates who have previously satisfactorily completed courses for the Bachelor of Music (New) or Bachelor of Arts or other award which includes substantially the same material as that in the program listed above, shall complete alternative courses in lieu of those already passed to a total value of 12 units.

4 Assessment and examination

4.1 There shall be the four classifications of Pass in courses for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

4.2 Review of academic progress

If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

5 Qualification requirements

5.1 Graduate Diploma in Music Performance

To qualify for the Graduate Diploma in Music Performance, a candidate shall satisfactorily complete the following courses:

5.1.1 Academic program

(a) one of:

PERF 6008A/B Major Recital IV	12
PERF 6015A/B Minor Recital IV	6
PERF 6016A/B Negotiated Project IV	6

or

one of the Musicology courses listed in Academic Program Rule 5.2 of the degree of Master of Music (Performance).

5.1.2 Students of brass instruments or bassoon may give two short (30 minute) recitals in lieu of Major Recital IVA or IVC.

5.1.3 In special cases the Dean may approve different but equivalent sets of exercises.

5.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Music

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Studies in Music

2.1 Every candidate in Music shall pursue a program of advanced study in Music. This may include the presentation and assessment of one of the following:

(a) a folio of compositions which may include a multi-media project *or*

(b) a thesis on a topic in Ethnomusicology, Musicology, Music Education or relevant interdisciplinary study *or*

(c) two CDs (presenting recordings of 2 public recitals and an exegesis).

2.2 The degree shall not be awarded on the basis of a portfolio of publications.

2.3 (a) In addition, candidates enrolled under clause 2.1 shall also present other advanced projects or seminars. Candidates enrolled under clause 2.1(a) must present two seminar papers or a major analysis; candidates enrolled under clause 2.1(b) must present two seminar papers ; candidates enrolled under clause 2..1(c) must present two seminar papers.

(b) The advanced work required under clause 2.3(a) must be completed prior to the presentation of the work specified under clause 2.1.

(c) The advanced work will not be assessed by an external examiner. Should any of this work be assessed as unsatisfactory then it may be re-presented or re-submitted.

2.4 The public recitals required under clause 2.1 (c) must be presented at an interval of not more than 3 months, the duration of each to be 60 minutes. The exegesis will be 5000 words.

2.5 The details of the recital programs shall be submitted to the Head of Program for approval not less than 6 months before the recitals.

2.6 A candidate completing the requirements of clauses 2.1 and 2.3 (a) shall qualify for the degree.

Master of Music (Performance)

e: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

There shall be a Master of Music (Performance).

2 Duration of program

To qualify for the degree a candidate shall complete a program of advanced studies in Performance extending over not less than three semesters or more than two years of full-time study. The Faculty may, in special cases, permit a candidate to complete the degree over not less than two years nor more than four years of part-time study.

3 Admission

3.1 The Faculty may accept as a candidate for the degree a person who has qualified for:

(a) the Honours degree of Bachelor of Music (Performance) of the University of Adelaide at First Class or IIA standard *or*

(b) the Graduate Diploma in Music Performance of the University of Adelaide at a standard comparable to First Class or IIA Honours *or*

(c) a degree or diploma in Music of another institution accepted for the purpose by the University.

The Faculty reserves the right to require an acceptable level of performance at audition.

3.2 In special cases the Board of Research Education and Development acting with authority wittingly devolved to it by Council on the recommendation of the Faculty and subject to such conditions (if any) as it may impose in each case, may accept as a candidate for the degree an applicant who has given other evidence satisfactory to the Faculty of their fitness to undertake studies for the degree.

4 Assessment and examination

4.1 Recital requirements

4.1.1 (a) Each candidate shall present two public recitals PERF 8087 Masters Recital A and PERF 8354 Masters Recital B) to be given at an interval of not more than 3 months, the duration of each to be approximately 75 minutes, provided that for Bassoon, Brass, Oboe and Voice recitals, it shall be approximately 65 minutes.

(b) Details of the recital programs shall be submitted to the Registrar for approval not less than six months before the first recital.

4.1.2 (a) For each candidate, a panel of at least four examiners including at least one external examiner shall be appointed by the Dean to assess the two recitals (PERF 7015 Masters Recital A and PERF 7016 Masters Recital B). The candidate's supervisor shall not be an examiner.

(b) The examiners may recommend that the recitals

(i) merit the award of the degree

(ii) do not merit the award of the degree

In the latter case, the examiners may also recommend that the candidate be permitted to re-present all or part of a recital within a specified time. Should the Dean accept the latter advice, the same examiners should, as far as practicable, assess the additional recital.

(c) Unless a panel of examiners has recommended that a candidate be permitted to re-present a recital, no candidate may be examined for the degree more than once.

4.2 Seminar requirements

(a) Each candidate shall attend three postgraduate seminars in Musicology or Ethnomusicology or Music Education or Music Theory, (see elective courses in Academic Program Rule 5.2.2) as required by the Dean, and shall submit for assessment in each of the elective courses seminar papers approximately 5000 words in length.

(b) Should any of the seminar papers be assessed as unsatisfactory, the candidate may re-present the paper or submit a paper in another seminar.

4.3 Review of academic progress

If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

(a) undertake an approved program of advanced study in singing, conducting or a musical instrument, under the direction of a supervisor or supervisors appointed by the Dean

(b) attend such seminars and present such papers in musicology, ethnomusicology, music education or music theory, as may be prescribed in the Academic Program Rules

(c) perform at a satisfactory standard at such public recitals as may be prescribed in the Academic Program Rules.

5.2 Academic program

Note: notwithstanding the Academic Program Rules and Syllabuses published in this volume, a number of courses listed may not be offered in 2003.

The availability of all courses is conditional upon the availability of staff and facilities.

5.2.1 Compulsory courses

PERF 7003 Recital Studies II	8
PERF 7005 Recital Studies I	8
PERF 7015 Masters Recital A	4
PERF 7016 Masters Recital B	4

provided that candidates may continue their enrolment for PERF 7015 Masters Recital A and PERF 7016 Masters Recital B for two semesters.

5.2.2 Elective courses

Courses to the value of 12 units from:

ETHNO 7000 Ethnomusicology Seminar V(C)	4
ETHNO 7004 Ethnomusicology Seminar V(A)	4
ETHNO 7017 Ethnomusicology Seminar V(B)	4
MUSICED 7077 Music Education Seminar V(B)	4
MUSICED 7081 Music Education Seminar V(A)	4
MUSICED 7089 Music Education Seminar V(C)	4
MUSICOL 7070 Musicology Seminar V(B)	4
MUSICOL 7074 Musicology Seminar V(C)	4
MUSICOL 7086 Musicology Seminar V(A)	4
MUSTH 7071 Music Theory Seminar V(A)	4
MUSTH 7083 Music Theory Seminar V(B)	4

5.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Notes (not forming part of the Academic Program Rules)

Pattern of study

Candidates are advised to present PERF 7005 Recital Studies I and PERF 7003 Recital Studies II and two of the elective courses in their first year of enrolment. Candidates should present PERF 7015 Masters Recital A, PERF 7016 Masters Recital B and the one remaining elective course in their final year of enrolment.

Candidates enrolled part-time may present PERF 7067A/B Recital Studies IA (Part-time) and PERF 7068A/B Recital Studies IIA (Part-time).

Doctor of Music

Academic Program Rules

1 (a) The Faculty of Humanities and Social Sciences may, on the recommendation of the Elder School of Music, accept as a candidate for the degree of Doctor of Music a person who:

(i) has qualified in the University of Adelaide for the degree of Bachelor of Music (New), or the degree of Master of Music *or*

(ii) has obtained another degree in the University of Adelaide and has satisfied the Faculty of his or her fitness to submit work for the degree of Doctor of Music.

(b) On the recommendation of the Faculty of Humanities and Social Sciences, the Board of Research Education and Development acting with authority wittingly devolved to it by Council may accept as a candidate for the degree a person who

(i) has obtained in another university or institution of higher education recognised by the University of Adelaide a qualification accepted by the Faculty as equivalent to one of the qualifications specified in (a) above *and*

(ii) has, or has had, a substantial association with the University.

(c) No person may be admitted to the degree of Doctor of Music before the expiration of five years from the date on which the qualification prescribed in (a) or (b) (i) above was obtained.

2 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager, Graduate Administration and Scholarships, Adelaide Graduate Centre and with such notice shall furnish particulars of his/her musical achievements and of the work to be submitted for the degree.

(b) The Elder School of Music shall appoint a committee to examine the information submitted and to advise the Faculty whether it should:

(i) allow the applicant to proceed, and approve the details of the work to be submitted *or*

(ii) advise the applicant not to submit his/her work; and the Faculty's decision shall be conveyed to the applicant.

(c) If the Faculty of Humanities and Social Sciences accepts the candidature and approves the details of the work to be submitted, the Elder School of Music shall nominate examiners of whom two at least shall be external to the University.

3 (a) To qualify for the degree the candidate shall furnish satisfactory evidence that he/she has made an original and substantial contribution of distinguished merit in the field of composition, performance, research or in any combination of these fields.

(b) The degree shall be awarded primarily on a consideration of such published or recorded compositions, recorded interpretations of music or published research as the candidate may submit for examination, but the examiners may take into account any unpublished material or other work submitted in support of the candidature.

(c) The candidate in submitting work for examination shall, where applicable, state generally in a preface and specifically in notes the main sources from which it is derived and the extent to which use has been made of the work of others. The candidate may also signify in general terms the portions of the work which he/she claims as original.

(d) The candidate shall indicate what part, if any, of the work submitted in support of the candidature has been accepted for the award of any other degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two of the copies will be transmitted to the University Library.

5 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty Humanities and Social Sciences, be admitted to the degree of Doctor of Music.

6 Notwithstanding anything contained in the preceding rules the Faculty may recommend the award of the degree to any person who is not a member of the Staff of the University. Any such recommendation must be

accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to some branch of musical knowledge of a standard not less than that required by Regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 17 December, 1970.

Amended: 15 Jan. 1976: 6; 4 Feb 1982: 2, 4; 24 Feb. 1983: 1, 2, 3; 21 Feb 1991: 1(b).

Rule approved and Regulation repealed 18 March 1999.

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- Professional Certificate in Urban Habitat Management
- Graduate Certificate, Graduate Diploma, Masters (Course work)in each of the following fields of study in Agricultural & Natural Resource Sciences:

  Agricultural Biotechnology

  Agricultural Business

  Agronomy and Farming Systems

  Animal Production

  Crop Protection

  Horticulture

  Natural Resource Management

  Plant science

  Soil Management and Conservation

  Spatial Information Systems

  Veterinary Studies
- Graduate Certificate in Oenology
- Graduate Certificate in Petroleum Geology and Geophysics
- Graduate Certificate in Physics
- Graduate Certificate in Science Education (not offered in 2005)
- Graduate Certificate in Urban Habitat Management
- Graduate Certificate in Viticulture
- Graduate Certificate in Wine Business
- Graduate Diploma in Oenology
- Graduate Diploma in Physics
- Graduate Diploma in Urban Habitat Management
- Graduate Diploma in Viticulture
- Graduate Diploma in Wine Business
- Master of Agricultural Science
- Master of Applied Science
- Master of Oenology
- Master of Science in the Faculty of Science
- Master of Science (Applied Physics)
- Master of Science (Astrophysics)
- Master of Science (Atmospheric Physics)
- Master of Science (Medical Physics)
- Master of Science (Optics and Lasers)

- Master of Science (Reservoir Geoscience)
- Master of Science (Theoretical Physics)
- Master of Science in Petroleum Geology and Geophysics
- Master of Urban Habitat Management
- Master of Viticulture
- Master of Wine Business
- Doctor of Science in the Faculty of Science

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.

Professional Certificate in Urban Habitat Management

Academic Program Rules

1 Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional Certificate in Urban Habitat Management shall have qualified for an Ordinary degree of the University in an appropriate field of study or a degree of another institution in an appropriate field of study accepted by the Faculty for the purpose as equivalent to an Ordinary degree of the University.

2.2 The Faculty may accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Urban Habitat Management and to be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Urban Habitat Management who subsequently satisfy the requirements of the Graduate Certificate in Urban Habitat Management must surrender their Professional Certificate before being admitted to the higher award.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Professional Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to be assessed, by examination or otherwise, shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Professional Certificate in Urban Habitat Management, a candidate shall complete one of the following courses:

URBH 7100 Designing Urban Habitats for Biodiversity	6
URBH 7101 Urban Habitats: the Ecology of Cities	6
URBH 7200 Managing Wildlife in Urban Habitats	6
URBH 7201 Managing Urban Vegetation	6

4.2 Unacceptable combination of courses

No candidate will be permitted to count for the award any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award; and no course or portion of a course may be counted twice towards the award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate
Graduate Diploma
Masters by Coursework
in areas of Agricultural and Natural Resource Sciences

Academic Program Rules

1 Duration of Programs

1.1 Graduate Certificate

Except with the permission of the Faculty, the program for the Graduate Certificate will normally be completed in one semester of full-time study or not more than one year of part-time study.

1.2 Graduate Diploma

Except with the permission of the Faculty, the program for the Graduate Diploma will normally be completed in one year of full-time study or not more than three years of part-time study.

1.3 Postgraduate Diploma

Except with the permission of the Faculty, the program for the Postgraduate Diploma will normally be completed in one year of full-time study or the part-time equivalent.

1.4 Masters

Except with the permission of the Faculty, the program for the Masters degree by coursework will normally be completed in eighteen months of full-time study, depending on the nature of the project activity, and over not less than two and not more than five years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for a Graduate Certificate shall have qualified for a degree of the University in an approved field of study, or a degree of another institution accepted for the purpose by the Faculty.

2.2 An applicant for admission to the program of study for a Graduate Diploma shall

(a) have qualified for a Graduate Certificate of the University in an approved field of study, or an equivalent award of another institution accepted for the purpose by the Faculty *or*

(b) have qualified for a degree or a three year diploma of the University or an equivalent award of another institution accepted for the purpose by the Faculty.

2.3 An applicant for admission to the program of study for a Postgraduate Diploma shall:

(a) have qualified for a Graduate Certificate of the University in an approved field of study or an equivalent award of another institution accepted for the purpose by the Faculty *or*

(b) have qualified for a degree or a three year diploma of the University in an approved field of study, or for an equivalent award of another institution accepted for the purpose by the Faculty.

2.4 An applicant for admission to the program of study for a masters degree by coursework shall:

(a) have qualified for the Bachelor of Agricultural Science (Honours) or the Bachelor of Agriculture (Honours) or the Bachelor of Natural Resource Management (Honours) of the University *or*

(b) have qualified for a degree or other award of the University in an approved field of study or an award of another institution accepted by the Faculty as being equivalent to the Honours degree. Such an award may be a postgraduate Diploma with a significant research component in the field of study of the proposed research *or*

(c) have qualified for a Bachelor's degree of the University in an approved field of study or an equivalent award of another institution accepted for the purpose by the Faculty, *and*

(i) have completed at a satisfactory standard (normally credit average) courses to the value of 12 units from the Graduate course pool in the same field of study *or*

(ii) have other relevant practical experience approved by the Faculty.

2.5 Applicants deemed to have a deficiency in some part of their preparation for candidature may be required to complete such other work as may be prescribed during the first year of their candidature.

2.6 Under the authority delegated to it by Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate, Graduate Diploma, Postgraduate Diploma or Masters (by Coursework) a person who does not satisfy the requirements of 2.1, 2.2, 2.3 or 2.4 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate, Graduate Diploma, Postgraduate Diploma or Masters (by coursework).

2.7 Status, exemption and credit transfer

2.7.1 No candidate will be permitted to count for an award any course, project work, dissertation or research thesis which, in the opinion of the Faculty, contains substantially the same material as any other course, project work, dissertation or research thesis which the candidate has already presented for another qualification.

2.7.2 A candidate who desires that work completed should be counted towards the requirements of these Academic Program Rules may, on written application to the Faculty, be granted such exemption from the requirements as the Faculty shall determine.

3 Enrolment

3.1 Program approval

3.1.1 Every candidate for the Graduate Certificate or the Graduate Diploma in consultation with the Postgraduate Coursework Adviser shall prepare a program of courses and activities to be submitted for the approval of the Postgraduate Coursework Adviser.

3.1.2 Every candidate for the Postgraduate Diploma or the Masters degree by coursework in consultation with the Postgraduate Coursework Adviser shall prepare a program of coursework and project work to be submitted for the approval of the Postgraduate Coursework Adviser. The project work shall be under the direction of a supervisor or supervisors who shall normally be members of the academic staff of the University, but an external supervisor may also be appointed.

4 Assessment and examinations

4.1 There shall be four classifications of pass in each course in the Graduate Course Pool: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

4.2 A candidate who fails in a course and desires to take the course again shall attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Head of Department for such exemption.

4.3 A candidate who has twice failed in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

4.4 A candidate shall not be eligible for examination in a course unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible for examination shall be deemed to have failed the examination.

4.5 For the purpose of this Academic Program Rule a candidate who fails, without a reason accepted by the Executive Dean of the Faculty (or nominee), to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4.6 On completion of the work for the Postgraduate Diploma or the coursework Masters degree the candidate shall inform the Postgraduate Coursework Adviser concerned and lodge with the Postgraduate Coursework Adviser three copies of the dissertation prepared in accordance with directions given to candidates from time to time.

4.7 On the submission or re-submission of the dissertation the Faculty shall nominate examiners who shall normally be members of the academic staff of the University, but an external examiner may be appointed. The examiners may recommend that the dissertation

(a) be accepted subject to such amendments as the examiners may have suggested *or*

(b) be accepted subject to satisfactory oral examination *or*

(c) be not accepted but sent back to the candidate for revision and re-submission *or*

(d) be rejected.

The examiners of a dissertation re-submitted following recommendation (c) above may recommend only (a), (b) or (d) above.

Having considered the reports of the examiners the Faculty shall determine whether the dissertation is satisfactory.

5 Qualification requirements

5.1 To qualify for the Graduate Certificate a candidate shall present courses to the value of 12 units (which may not include AGRIC 7007RW/WT Research Proposal or a Research Project) from the Graduate Course Pool.

A candidate who has been enrolled for the coursework Masters degree, the Postgraduate Diploma or the Graduate Diploma and who as such a candidate has completed the work prescribed for a Graduate Certificate and who has not been awarded the Masters degree, the Postgraduate Diploma or the Graduate Diploma shall, on written application to the Faculty, be awarded the appropriate Graduate Certificate, subject to the student discontinuing candidature for the higher award.

5.2 To qualify for the Graduate Diploma a candidate shall present courses to the value of 24 units, no fewer than half of which are from the Graduate Course Pool and which may not include AGRIC 7007RW/WT Research Proposal or a Research Project.

A candidate holding a Graduate Certificate of the University who has counted or presented the courses in the Graduate Certificate towards the requirements of the Graduate Diploma shall surrender the Graduate Certificate before being admitted to the Graduate Diploma.

A candidate who has been enrolled for the coursework masters degree or the Postgraduate Diploma and who as such a candidate has not been awarded the masters degree or the Postgraduate Diploma shall, on written application to the Faculty, be permitted to transfer to the appropriate Graduate Diploma, subject to the student discontinuing candidature for the award of masters degree or Postgraduate Diploma.

5.3 To qualify for the Postgraduate Diploma a candidate shall present courses to the value of 24 units, including, if required, AGRIC 7007RW/WT Research Proposal, AGRONOMY 7020RW Research Methodology or BIOMET 7000WT Research Methodology and Experimentation; a minimum of six and a maximum of nine units deriving from research; and the balance from the Graduate Course Pool.

A candidate holding a Graduate Certificate of the University who has counted or presented the courses in the Graduate Certificate towards the requirements of the Postgraduate Diploma shall surrender the Graduate Certificate before being admitted to the Postgraduate Diploma.

A candidate who has been enrolled for the coursework masters degree and who as such a candidate has completed the work prescribed for the Postgraduate Diploma and who has not been awarded the masters degree shall, on written application to the Faculty, be awarded the appropriate Postgraduate Diploma, subject to the student discontinuing candidature for the higher award.

5.4 To qualify for the masters degree by coursework a candidate shall present courses to the value of 36 units, including, if required, AGRIC 7007RW/WT Research Proposal, AGRONOMY 7020RW Research Methodology or AGRONOMY 7020RW Research Methodology and Experimentation; a minimum of twelve and a maximum of twenty one units deriving from research; and the balance from the Graduate Course Pool.

A candidate holding a Graduate Certificate or a Postgraduate Diploma of the University who has presented the courses in the Certificate or Diploma towards the requirements of the Masters degree by coursework shall surrender the Graduate Certificate or Postgraduate Diploma before being admitted to the masters degree.

6 Program of study - graduate course pool

6.1 There shall be a Graduate Course Pool which will include graduate level courses, approved supplemented level III courses (either of which may include intensive workshops) and research projects.

6.2 The selection of courses and activities will be made by students in consultation with and with the approval of Postgraduate Coursework Advisers or supervisors. Such selected components.

(a) shall form part of the formal coursework requirements *or*

(b) may form a preparatory portion of the research degrees.

6.3 The following courses shall comprise the Graduate Course Pool:

AGRIBUS 7009WT Issues in Australian Agribusiness	3
AGRIBUS 7012WT International Agribusiness Environment	3
AGRIBUS 7044WT Agricultural Business Management	3
AGRIC 7007RW/WT Research Proposal	3
AGRONOMY 7000ARW/BRW Rural Sociology	4
AGRONOMY 7001RW Agroforestry	3
AGRONOMY 7003RW Managing Agricultural Development	3
AGRONOMY 7004RW Advanced Agronomy	6
AGRONOMY 7008RW Agroforestry Research Principles	3
AGRONOMY 7009RW Measurement of Plant and Soil Water	3
AGRONOMY 7012RW Development of New Crops and Markets	6
AGRONOMY 7013RW Crops and Pastures G	4
AGRONOMY 7016RW Communications and Agricultural Extension	4

AGRONOMY 7017WT Viticultural Engineering and Operations	3
AGRONOMY 7018RW Agricultural Engineering	4
AGRONOMY 7020RW Research Methodology	4
AGRONOMY 7021RW Irrigation Science	3
ANIML SC 7004RW Topics in Animal Science	3
ANIML SC 7011RW Comparative Animal Physiology	3
ANIML SC 7020RW Biotechnology in the Animal Industries	3
ANIML SC 7021RW Animal Health and Welfare	3
ANIML SC 7022RW Animal Nutrition and Metabolism	3
APP ECOL 7001RW Ecology and Management of Rangelands	3
APP ECOL 7002WT Insect Behaviour	3
APP ECOL7003WT Plant Disease & the Environment	3
APP ECOL 7004WT Biology and Diversity of Insects	3
APP ECOL 7006WT Integrated Pest Management	3
APP ECOL 7008WT Pathogen - Plant Interactions	3
APP ECOL 7010WT Topics in Crop Protection	3
APP ECOL 7012RW Fauna Management	3
APP ECOL 7013WT Fungal Biology	3
APP ECOL 7014AWT/BWT Integrated Weed Management	3
APP ECOL 7015RW Conservation Biology	3
APP ECOL 7016RW Indigenous Australians and Environmental Management	3
BIOMET 7000WT Research Methodology and Experimentation	3
BIOMET 7001WT Advanced Biometry	3
CHEM ENG 7010WT Winery Engineering III	3
ENV BIOL 7011WT Ecology and Management of Freshwater Systems	3
GISC 5001 Advanced Raster Analysis	3
GISC 5013 Spatial Data Modelling and Analysis	3
HORTICUL 7000WT Production Horticulture	3
HORTICUL 7001 Horticultural Systems	3
HORTICUL 7043WT Postharvest Horticulture and Marketing	3
HORTICUL 7050WT Lifestyle Horticulture	3
HORTICUL 7052WT Olive Production and Marketing	3
PLANT SC 7002WT Plant Nutrition for Productive Systems	2
PLANT SC 7004WT Mineral Nutrition of Plants	3
PLANT SC 7005WT Introductory Plant and Animal Breeding	3
PLANT SC 7009WT Molecular Markers in Plant Breeding	2
PLANT SC 7010WT Crop Physiology III	3
PLANT SC 7011WT Advanced Plant and Animal Breeding	3
SOIL&WAT 7002WT Soil Management & Conservation	3
SOIL&WAT 7003WT Topics in Soil and Land Systems	3
SOIL&WAT 7005WT Environmental Toxicology and Remediation	3
SOIL&WAT 7007WT GIS for Environmental Management	3
SOIL&WAT 7024WT Soil Ecology and Nutrient Cycling	3
SOIL&WAT 7025WT GIS for Agricultural Sciences	3
SOIL&WAT7020WT Soil Water Management	3
SOIL&WAT 7022WT Topics in Soil and Land Systems B	3
WINEMKTG 7003WT Advertising and Promotion	3
WINEMKTG 7005EX Wine & Food Tourism and Festivals	3
WINEMKTG 7006EX Retail Management	3
WINEMKTG7015WT Issues in Wine Business	3
WINEMKTG 7031WT Topics in Agricultural Business B	3
WINEMKTG 7033WT Research Methodology and Methods	3
WINEMKTG 7039EX Applied Marketing Research	3
WINEMKTG 7041WT Topics in Agricultural Business A	3
WINEMKTG 7046WT Problems in Agricultural Business A	3
WINEMKTG 7047WT Problems in Agricultural Business B	3
WINEMKTG 7053EX Introduction to Managerial and Financial accounting	3
WINEMKTG 7054EX Legal Issues in Wine Marketing	3
WINEMKTG 7055WT/EX Principles of Food and Wine Marketing	3
WINEMKTG 7056WT/EX Internet Marketing and E-Commerce	3
WINEMKTG 7057WT/EX Food Marketing	3
WINEMKTG 7058WT International Marketing of Wine and Agricultural Products	3
WINEMKTG 7059WT/EX Strategic Marketing Management	3
WINEMKTG 7060EX Consumer Behavioural Analysis	3
WINEMKTG 7062EX Microeconomic Principles	3

Research projects

AGRIC 7010RW/WT Project C (ANR) (One Semester)	6
AGRIC 7011RW/WT Project E (ANR)(One Semester)	9
AGRIC 7012RW/WT Project D (ANR) (One Semester)	6

AGRIC 7013RW/WT Project A (ANR) (One Semester)	3
AGRIC 7014RW/WT Project F (ANR)(One Semester)	12
AGRIC 7015RW/WT Project B (ANR) (One Semester)	4

6.4 Candidates may include, within those courses presented to qualify for a coursework award, graduate level courses from outside the Graduate Course Pool subject to the approval of the Postgraduate Coursework Adviser and the Higher Degrees Committee.

6.5 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

6.6 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

7 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Oenology

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program of study comprising one semester of full-time study or no more than four semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certification in Oenology shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent post-graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 3 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Faculty.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 Academic program

All candidates shall complete the following 4 core courses:

OENOLOGY 7010WT Stabilisation and Clarification	3
OENOLOGY 7019WT Sensory Studies	3
OENOLOGY 7028WT Introductory Winemaking	3
OENOLOGY 7047WT Winemaking at Vintage	3

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Petroleum Geology and Geophysics

Academic Program Rules

1 Duration of program

Except with the permission of the Faculty the program for the Graduate Certificate shall be completed in at least one semester of full-time study or at least two semesters of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate shall:

(a) have qualified for the degree of Bachelor of Science of the University with a major sequence in Geology or Geophysics, or hold qualifications from another institution accepted by the Faculty for the purpose *and*

(b) have obtained the approval of the Director of the National Centre for Petroleum Geology and Geophysics

2.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not qualify for admission to the program under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be the following classifications of Pass in each course for the graduate certificate: First Class, Second Class division A, Second Class Division B, Third Class.

3.2 (a) A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.

(b) A candidate who has twice failed the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.

(c) For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Executive Dean of Sciences (or nominee), to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4 Qualification requirements

A candidate for the Graduate Certificate shall regularly attend lectures and tutorials, do such written work and practical work as may be prescribed, and pass examinations in courses to the value of 12 units.

4.1 Academic program

4.1.1 The following shall be the courses for the Graduate Certificate in Petroleum Geology and Geophysics:

PETROL 7000TB Petroleum Geology & Geophysics (B)	6
PETROL 7001TB Petroleum Geology & Geophysics (A)	6

4.1.2 The Faculty may require a candidate to undertake additional work needed as background to the program.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Physics

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program of full-time study extending over at least one semester or part-time study extending over at least two semesters.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate shall have qualified for a degree of the University of Adelaide or hold qualifications from another institution accepted by the University for the purpose; and obtained the approval of the Head of Physics.

2.2 Subject to the approval of Council, the Faculty may in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold the qualifications specified in 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (a) A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.

(b) A candidate who has twice failed the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.

(c) For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Head of Physics, to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 A candidate for the Graduate Certificate shall regularly attend lectures and tutorials, do such written work and practical work as may be prescribed, and pass examinations in a selection of courses to an aggregate value of at least 12 units, including at least six units from the courses listed at 4.2(c).

4.2 Academic program

The courses may be chosen from:

(a) Level III courses offered in Physics

(b) Level III courses and Honours courses offered by another area of the University where appropriate *and*

(c) the following courses:

PHYSICS 7002 Astrophysics	3
PHYSICS 7003 Advanced Atmospheric and Environmental Physics	3
PHYSICS 7004 Advanced Electromagnetism	3
PHYSICS 7006 Cosmology	3
PHYSICS 7007 Experimental Methods	3
PHYSICS 7008 Gauge Theory	3
PHYSICS 7009 General Relativity	3
PHYSICS 7010 Laser Physics & Non-linear Optics	3
PHYSICS 7011 Nuclear and Radiation Physics	3
PHYSICS 7012 Nuclear Theory & Particle Physics	3
PHYSICS 7013 Quantum Field Theory	3
PHYSICS 7014 Relativistic Quantum Mechanics and Particle Physics	3
PHYSICS 7015 Statistical Mechanics and Many Body Theory	3
PHYSICS 7208 Advanced Solid State Devices	3

The number of courses to be offered in any year will be dependent on staff availability and student demand.

4.3 The Faculty may require a candidate to undertake additional work needed as background to the program.

4.4 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Urban Habitat Management

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Urban Habitat Management shall have qualified for an Ordinary degree of the University in an appropriate field of study or a degree of another institution in an appropriate field of study accepted by the Faculty for the purpose as equivalent to an Ordinary degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status

2.3.4 A candidate who fails a course and is allowed to repeat that course shall, unless exempted partially there from by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Urban Habitat Management program, and to be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Urban Habitat Management who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Urban Habitat Management who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.4 A candidate for the Graduate Certificate in Urban Habitat Management who does not complete the requirements for the Graduate Certificate but satisfies the requirements for the Professional Certificate may be admitted to the Professional Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to be assessed, by examination or otherwise, shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not re-enroll in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete two of the following courses:

URBH 7100 Designing Urban Habitats for Biodiversity	6
URBH 7101 Urban Habitats: the Ecology of Cities	6
URBH 7200 Managing Wildlife in Urban Habitats	6
URBH 7201 Managing Urban Vegetation	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count for the award any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award; and no course or portion of a course may be counted twice towards the award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Viticulture

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program of study comprising one semester of full-time study or no more than four semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certification in Viticulture shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent postgraduate level studies.

2.3.3 In any case, no candidate will be awarded more than 3 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Certificate degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Executive Dean.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 Academic program

All candidates shall complete the following core courses:

AGRONOMY 7017WT Viticultural Engineering and Irrigation	3
VITICULT 7002WT Viticultural Science	3
VITICULT 7021WT Viticultural Production	3
VITICULT 7038WT Viticultural Methods & Procedures	3

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Certificate in Wine Business

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program of study comprising 1 semester of full-time study or no more than 4 semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certification in Wine Business shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent post-graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 3 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the graduate certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Executive Dean.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 Academic program

All candidates shall complete 4 courses from the Master of Wine Business syllabus. At least one must be:

WINEMKTG 7049WT/EX Global Market for Wine 3

or

WINEMKTG 7034WT/EX Winery Business Management 3

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Oenology

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of study comprising two semester of full-time study or no more than eight semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma in Oenology shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent post-graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Oenology.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma of Oenology who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate in Oenology may be admitted to the Graduate Certificate, subject to the student discontinuing candidature for the Graduate Diploma.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Oenology and who subsequently satisfies the requirements for the Graduate Diploma of Oenology must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Faculty.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

OENOLOGY 7010WT Stabilisation and Clarification	3
OENOLOGY 7019WT Sensory Studies	3
OENOLOGY 7022WT Cellar and Winery Waste Management	3
OENOLOGY 7028WT Introductory Winemaking	3
OENOLOGY 7046WT Fermentation Technology	3
OENOLOGY 7047WT Winemaking at Vintage	3

4.1.2 Elective Courses

All candidates shall complete elective courses selected from the following:

CHEM ENG 7010WT Winery Engineering	3
OENOLOGY 7038WT Distillation, Fortified and Sparkling Wine Production	3
OENOLOGY 7048WT Advances in Oenology	3
VITICULT 7002WT Viticultural Science	3
VITICULT 7021 WT Viticultural Production	3

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Physics

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of full-time study extending over at least one year or part-time study extending over at least two years.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma shall:

(a) have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University

(b) have obtained the approval of the Head of Physics.

2.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not qualify for admission to the course under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (a) A candidate who fails to pass in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.

(b) A candidate who has twice failed the examination in any course or division of a course may not enroll for that course again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.

(c) For the purpose of this Rule a candidate who is refused permission to sit for examination, or who, without a reason accepted by the Head of Physics as adequate, fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the degree a candidate shall:

(a) satisfy examiners in courses of study as prescribed in the academic Program Rules *and*

(b) present a satisfactory research report on a subject approved by the Head of Physics.

4.2 On the completion of the research report the candidate shall lodge with the Head of Physics two copies of the research report prepared in accordance with directions given to candidates from time to time. No research report or material presented for any other degree within this or any other institution shall be submitted.

4.3 Academic Program

Unless exempted therefrom by the Faculty every candidate for the degree shall satisfactorily complete units to the value of at least 24 units from the following components.

(a) Coursework comprising options with an aggregate value of at least 18 units, including at least nine units from the courses listed in (iii). These courses may be chosen from:

(i) Level III courses in Physics

(ii) Level III courses and Honours courses offered by another area of the University where appropriate *and*

(iii) the following courses

PHYSICS 7002 Astrophysics	3
PHYSICS 7003 Advanced Atmospheric and Environmental Physics	3
PHYSICS 7004 Advanced Electromagnetism	3
PHYSICS 7005 Atomic and Molecular Physics	3
PHYSICS 7006 Cosmology	3
PHYSICS 7007 Experimental Methods	3
PHYSICS 7008 Gauge Theory	3
PHYSICS 7009 General Relativity	3
PHYSICS 7010 Laser Physics & Non-linear Optics	3
PHYSICS 7011 Nuclear & Radiation Physics	3
PHYSICS 7012 Nuclear Theory & Particle Physics	3
PHYSICS 7013 Quantum Field Theory	3

PHYSICS 7014 Relativistic Quantum Mechanics and Particle Physics	3
PHYSICS 7015 Statistical Mechanics and Many Body Theory	3
Physics 7208 Advanced Solid State Devices	3

The number of courses to be offered in any year will be dependent on staff availability and student demand.

(b) An approved research project with a total value of 6 units:

PHYSICS 7100 Diploma Project (Physics) A	6
or	
PHYSICS 7200 Diploma Project (Physics) B	6

4.4 The Faculty may require a candidate to undertake additional work needed as background to the program.

4.5 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.6 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Urban Habitat Management

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma in Urban Habitat Management shall have qualified for an Ordinary degree of the University in an appropriate field of study or a degree of another institution in an appropriate fields of study accepted by the Faculty for the purpose as equivalent to an Ordinary degree of the University.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status

2.3.4 A candidate who fails a course and is allowed to repeat that course shall, unless exempted partially there from by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Master of Urban Habitat Management program, and to be granted status for the work they have undertaken in the Graduate Diploma.

2.4.2 Students who have conferred upon them the award of Graduate Diploma in Urban Habitat Management who subsequently satisfy the requirements of the Masters program must surrender their Graduate Diploma before being admitted to the Master of Urban Habitat Management.

2.4.3 A candidate for the Master of Urban Habitat Management who does not complete the requirements for the Masters but satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

2.4.4 A candidate for the Graduate Diploma in Urban Habitat Management who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

2.4.5 A candidate for the Graduate Diploma in Urban Habitat Management who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Professional Certificate may be admitted to the Professional Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to be assessed, by examination or otherwise, shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not reenroll in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 Academic program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete courses to the value of 24 units as follows:

4.1.1 Internship course

URBH 7202A/B/C Internship in Urban Habitat Management	6

4.1.2 Elective courses

All candidates shall satisfactorily complete elective courses to the value of 18 units selected from the following:

URBH 7100 Designing Urban Habitats for Biodiversity	6
URBH 7101 Urban Habitats: the Ecology of Cities	6
URBH 7200 Managing Wildlife in Urban Habitats	6
URBH 7201 Managing Urban Vegetation	6

4.2 Unacceptable combinations of courses

No candidate will be permitted to count for the award any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award; and no course or portion of a course may be counted twice towards the award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Viticulture

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of study comprising two semester of full-time study or no more than eight semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma in Viticulture shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent post-graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Viticulture.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma of Viticulture who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate in Viticulture may be admitted to the Graduate Certificate, subject to the student discontinuing candidature for the Graduate Diploma.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Viticulture and who subsequently satisfies the requirements for the Graduate Diploma of Viticulture must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Executive Dean.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

AGRONOMY 7017WT Viticultural Engineering and Irrigation	3
VITICULT 7002WT Viticultural Science	3
VITICULT 7021WT Viticultural Production	3
VITICULT 7038WT Viticultural Methods & Procedures	3

4.1.2 Elective Courses

All candidates shall complete elective courses selected from the following:

APP ECOL 7006WT Integrated Pest Management	3
OENOLOGY 7019WT Sensory Studies	3
OENOLOGY 7028WT Introductory Winemaking	3

Plus other electives from the Graduate Course Pool as deemed appropriate by the Faculty

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Graduate Diploma in Wine Business

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of study comprising 2 semester of full-time study or no more than 8 semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma in Wine Business shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent post-graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Wine Business.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma of Wine Business who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate in Wine Business may be admitted to the Graduate Certificate, subject to the student discontinuing candidature for the Graduate Diploma.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Wine Business and who subsequently satisfies the requirements for the Graduate Diploma of Wine Business must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the graduate diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Executive Dean.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Academic program

All candidates shall complete the following core courses:

WINEMKTG 7034WT/EX Winery Business Management	3
WINEMKTG 7049WT/EX Global Market for Wine	3

and at least one of:

OENOLOGY 7002NW/EX Vineyard and Winery Operations I	3
OENOLOGY 7003NW/EX Vineyard and Winery Operations II	3

plus electives from the Master of Wine Business syllabus.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Oenology

Academic Program Rules

1 Duration of program

To qualify for the degree a candidate shall satisfactorily complete a program of study comprising three semester of full-time study or no more than ten semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Oenology shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3. Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent post-graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 9 units of status, except for those candidates who have completed the Graduate Certificate in Oenology or the Graduate Diploma in Oenology.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Oenology who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate in Oenology or Graduate Diploma in Oenology may be admitted to one of those awards, as appropriate, subject to the student discontinuing candidature for the higher award.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Oenology or Graduate Diploma in Oenology and who subsequently satisfies the requirements for the Master of Oenology must surrender the Graduate Certificate or Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Faculty.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete core and elective courses to the value of 36 units, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

OENOLOGY 7010WT Stabilisation and Clarification	3
OENOLOGY 7019WT Sensory Studies	3
OENOLOGY 7022WT Cellar and Winery Waste Management	3

OENOLOGY 7028WT Introductory Winemaking	3
OENOLOGY 7046WT Fermentation Technology	3
OENOLOGY 7047WT Winemaking at Vintage	3
OENOLOGY 7048WT Advances in Oenology	3

4.1.2 Elective Courses

All candidates shall complete elective courses selected from the following:

AGRONOMY 7017WT Viticultural Engineering and Irrigation	3
CHEM ENG 7010WT Winery Engineering	3
HORTICUL 7052WT Olive Production and Marketing	3
OENOLOGY 7004WT Wine Packaging and Quality Management	3
OENOLOGY 7038WT Distillation, Fortified and Sparkling Wine Production	3
VITICULT 7002WT Viticultural Science	3
VITICULT 7008WT Grape Industry Practice, Policy and Communication	2
VITICULT 7021WT Viticultural Production	3
VITICULT 7024WT Table and Drying Grape Production	2
WINEMKTG 7055WT Principles of Food and Wine Marketing	3

and courses on Viticultural Methods and Procedures

Plus other electives from the Graduate Course Pool as deemed appropriate by the Faculty

4.1.3 Optional supervised research project

Subject to the approval of the Faculty, 9 units of supervised research project can be completed in lieu of elective courses listed above subject to the availability of a nominated supervisor.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Science (Applied Physics)
Master of Science (Astrophysics)
Master of Science (Atmospheric Physics)
Master of Science (Optics and Lasers)
Master of Science (Theoretical Physics)

Academic Program Rules

1 Duration of Program

Except with the permission of the Faculty of Sciences, the courses of study and research report shall normally be completed in three semesters of full-time study or the equivalent of part-time study.

2 Admission

2.1 (a) The Faculty may accept as a candidate for the degree any person who has qualified for an Honours degree of Bachelor of Science in physics of the University of Adelaide or of another institution accepted for the purpose by the University, or

(b) The Faculty may accept as a candidate a person who has qualified for a degree of Bachelor of Science of the University of Adelaide, or another institution accepted by the University for the purpose, with a major sequence in Physics and appropriate professional experience, or

(c) Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 2.1(a) above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

3 Enrolment

A candidate's enrolment in courses of study and choice of supervisor or supervisors must be approved by the Head of Physics, or the program coordinator, at enrolment each year.

4 Assessment and examination

4.1 There shall be four classifications of pass in any course for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

4.2 (a) A candidate who fails in a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.

(b) A candidate who has twice failed the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.

(c) For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Head of Physics, to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

(a) satisfy examiners in courses of study as prescribed in the Academic Program Rules and

(b) present a satisfactory research report on a subject approved by the Head of Physics.

5.2 On the completion of the research report the candidate shall lodge with the Head of Physics two copies of the research report prepared in accordance with directions given to candidates from time to time. No research report or material presented for any other degree within this or any other institution shall be submitted.

5.3 Academic program

Unless exempted therefrom by the Faculty every candidate for the degree shall satisfactorily complete units to the value of at least 36 units from the following components:

(a) Coursework comprising options with an aggregate value of at least 18 units, including at least nine units from the courses listed in (iii). These courses may be chosen from:

(i) Level III courses in Physics

(ii) Level III courses and Honours courses offered by another area of the University where appropriate *and*

(iii) the following courses

PHYSICS 7002 Astrophysics	3
PHYSICS 7003 Advanced Atmospheric and Environmental Physics	3
PHYSICS 7004 Advanced Electromagnetism	3
PHYSICS 7006 Cosmology	3
PHYSICS 7007 Experimental Methods	3
PHYSICS 7008 Gauge Theory	3
PHYSICS 7009 General Relativity	3
PHYSICS 7010 Laser Physics & Non-linear Optics	3
PHYSICS 7011 Nuclear & Radiation Physics	3
PHYSICS 7012 Nuclear Theory & Particle Physics	3
PHYSICS 7013 Quantum Field Theory	3
PHYSICS 7014 Relativistic Quantum Mechanics and Particle Physics	3
PHYSICS 7015 Statistical Mechanics and Many Body Theory	3
PHYSICS7208 Advanced Solid State Devices	3

The number of courses to be offered in any year will be dependent on staff availability and student demand.

(b) An advanced topic in Applied Physics, Astrophysics, Atmospheric Physics, Optics and Lasers, Photonics or Theoretical Physics with a value of 6 units:

PHYSICS 7017 Advanced Topic in Physics 6

(c) An approved research project with a value of 12 units:

PHYSICS 7016 Research Project (M.Sc. Physics) 12

5.4 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

5.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

6 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Science (Medical Physics)

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Qualification requirements

2.1 As part of the Structured Program each candidate for the degree shall complete the following components of coursework:

Anatomy and Physiology (Medical Physics)

Physics of Imaging

Radiation Biology, Protection and Epidemiology

Radiotherapy Physics.

2.2 Each candidate shall complete a thesis on an approved research project with clinical or field application, undertaken at an approved research institution, to the value of not less than 24 units.

Master of Science in Petroleum Geology and Geophysics

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Assessment and examinations

There shall be four classifications of pass in any course for the degree: First Class, Second Class Division A, Second Class Division B and Third Class.

3 Qualification requirements

3.1 Every candidate for the degree shall complete the following components

(a) coursework, comprising the following compulsory courses:

PETROL 7000TB Petroleum Geology and Geophysics (B)

PETROL 7001TB Petroleum Geology and Geophysics (A)

(b) thesis on approved research project.

3.2 The Board of Research Education and Development may exempt candidates from the specific coursework if they have qualified for the Honours degree of Bachelor of Science (Petroleum, Geology and Geophysics) of the University or an alternative Honours program containing equivalent coursework. In such cases, candidates will undertake an extended research thesis.

3.3 At the discretion of the Head, Australian School of Petroleum, a candidate may be required to undertake a six to twelve week placement with the industry sponsor of their project, where such a placement will facilitate progress of the research project.

Master of Science (Petroleum Geoscience)

Academic Program Rules

1 Duration of Program

To qualify for the degree a candidate shall satisfactorily complete a program of study comprising 2 semesters of full-time study.

2 Admission

2.1 Admission to candidature by the Faculty may be granted to:

(a) persons qualified for an Honours degree (Second Class Division A or higher) from the University of Adelaide in a relevant field of study,

(b) persons qualified for an Honours degree from another university or tertiary institution equivalent to an Honours degree (Second Class Division A or higher) from the University of Adelaide in a relevant field of study,

(c) others having qualified for a Bachelor's degree of the University (with average marks of Second Class Division A or higher) in an approved field of study or an equivalent award in an institution accepted for the purpose by the Faculty and have relevant professional experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

3 Assessment and examination

3.1 There shall be four classifications of pass in any course for the degree and the research project: First Class, Second Class Division A, Second Class Division B and Third Class. Students failing to maintain an average of Second Class Division A in the coursework may be subject to a review of academic progress and possible termination of candidature.

3.2 A candidate for the Master of Petroleum Geoscience, who does not complete the requirements for the Masters degree, but satisfies the requirements for the Graduate Certificate in Petroleum Geology and Geophysics, may be admitted to that award if appropriate.

4 Qualification requirements

To qualify for the degree, a candidate shall obtain a grade of Second Class Division A or higher in courses to the value of 24 units, as follows:

4.1 Academic Program

Every candidate for the degree shall satisfactorily complete the following compulsory units with the value of 12 units

(a) PETROL 7000TB Petroleum Geology and Geophysics 6

PETROL 7001TB Petroleum Geology and Geophysics 6

and

(b) An approved research project:

PETROL 7002 Research Project (MSc Pet. Geoscience) 12

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special Circumstances

When in the opinion of the Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Science (Reservoir Geoscience)

Academic Program Rules

1 General

1.1 This document must be read in conjunction with:

(a) the General Academic Program Rules for Master by Research Programs (see under Adelaide Graduate Centre, p.8) *and*

(b) the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees by Research, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters Degrees by Research, offered by the University.

All students must comply with both the General Academic Rules and the rules following below, and procedures outlined in the Code of Practice.

In addition to the General Academic Program Rules for Masters by Research degrees, in this publication, the following discipline specific rules apply.

2 Qualification requirements

2.1 Every candidate for the degree shall complete work to the value of 48 units comprising the following components:

(a) coursework comprising the following compulsory courses:

PETROL 7000TB Petroleum Geology and Geophysics (B)

PETROL 7001TB Petroleum Geology and Geophysics (A)

(b) no more than 6 units of coursework chosen from PETROENG 7000 to 7008 as listed in the calendar

(c) a thesis on an approved research project with relevance to reservoir geology.

2.2 The Board of Research Education and Development may exempt candidates from the specified coursework if they have qualified for the Honours Degree of Bachelor of Science (Petroleum Geology and Geophysics) of the University, or an alternative Honours program containing equivalent coursework. In such cases, candidates shall undertake an extended research thesis.

Master of Urban Habitat Management

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Master of Urban Habitat Management degree must have:

(a) qualified for an Honours degree from the University, at an appropriate standard in an appropriate field of study, or a degree of another institution, at an appropriate standard in appropriate field of study, accepted by the Faculty for the purpose as equivalent to an Honours degree of the University *or*

(b) completed the Graduate Diploma in Urban Habitat Management at an average Credit level or higher and have relevant professional experience which is deemed by the Faculty to be equivalent to at least 12 units of tertiary study.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and is allowed to repeat that course shall, unless exempted partially there from by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Urban Habitat Management who does not complete the requirements for the Masters but satisfies the requirements for the Graduate Diploma, the Graduate Certificate or the Professional Certificate in Urban Habitat Management may be admitted to the one or other of those awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Urban Habitat Management and who subsequently satisfies the requirements for the Master of Urban Habitat Management must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to be assessed, by examination or otherwise, shall be deemed to have failed the course.

3.3 A candidate who has failed a course twice may not reenroll in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Professional Certificate, Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for for the degree of Master Urban Habitat Management candidates shall complete a program of study to a total of 36 units as follows:

4.1.1 Internship course

URBH 7202 A/B/C Internship in Urban Habitat Management 6

4.1.2 Elective courses

All candidates shall satisfactorily complete elective courses to the value of 18 units selected from the following:

URBH 7100 Designing Urban Habitats for Biodiversity 6

URBH 7101 Urban Habitats: the Ecology of Cities 6

URBH 7200 Managing Wildlife in Urban Habitats 6

URBH 7201 Managing Urban Vegetation 6

4.1.3 Dissertation

All candidates shall complete one of the following courses

URBH 7XXX Urban Habitat Management Research and Dissertation F/T 12

or

URBH 7XXX A/B Urban Habitat Management Research and Dissertation P/T 12

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the School, after the dissertation has been passed and accepted for the degree.

4.3 Unacceptable combinations of courses

No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award; and no course or portion of a course may be counted twice towards the degree.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Viticulture

Academic Program Rules

1 Duration of program

To qualify for the degree a candidate shall satisfactorily complete a program of study comprising 3 semester of full-time study or no more than 10 semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Viticulture shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent post-graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 9 units of status, except for those candidates who have completed the Graduate Certificate in Viticulture or the Graduate Diploma in Viticulture.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Viticulture who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate in Viticulture or Graduate Diploma in Viticulture may be admitted to one of those awards, as appropriate, subject to the student discontinuing candidature for the higher award.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Viticulture or Graduate Diploma in Viticulture and who subsequently satisfies the requirements for the Master of Viticulture must surrender the Graduate Certificate or Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Executive Dean.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete core and elective courses to the value of 36 units, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

OENOLOGY 7028WT Introductory Winemaking	3
VITICULT 7002WT Viticultural Science	3
VITICULT 7021WT Viticultural Production	3
VITICULT 7038WT Viticultural Methods & Procedures	3

4.1.2 Elective Courses

All candidates shall complete elective courses selected from the following:

AGRONOMY 7017WT Viticultural Engineering and Irrigation	3
AGRONOMY 7021WT Irrigation Science	3
APP ECOL 7006WT Integrated Pest Management	3
HORTICUL 7052WT Olive Production and Marketing	3
OENOLOGY 7019WT Sensory Studies	3
OENOLOGY 7022WT Cellar and Winery Waste Management	3
PLANT SC 7004WT Mineral Nutrition of Plants	3
SOIL&WAT 7003WT Topics in Soil and Land Systems	3
WINEMKTG 7055WT Principles of Food and Wine Marketing	3

plus other electives from the Graduate Course Pool as deemed appropriate by the Faculty

4.1.3 Optional supervised research project

Subject to the approval of the Faculty, 12 units of supervised research project can be completed in lieu of elective courses listed above subject to the availability of a nominated supervisor.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Master of Wine Business

Academic Program Rules

1 Duration of program

To qualify for the degree a candidate shall satisfactorily complete a program of study comprising 3 semester of full-time study or no more than 10 semesters of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Wine Business shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved relevant work experience.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent post-graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 9 units of status, except for those candidates who have completed the Graduate Certificate in Wine Business or the Graduate Diploma in Wine Business.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Wine Business who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate in Wine Business or Graduate Diploma in Wine Business may be admitted to one of those awards, as appropriate, subject to the student discontinuing candidature for the higher award.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Wine Business or Graduate Diploma in Wine Business and who subsequently satisfies the requirements for the Master of Wine Business must surrender the Graduate Certificate or Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

3.3 (a) A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Executive Dean.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete core and elective courses to the value of 36 units, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

OENOLOGY 7002NW Vineyard and Winery Operations I S	3
OENOLOGY 7003NW Vineyard and Winery Operations IIS	3
WINEMKTG 7034WT Winery Business Management	3
WINEMKTG 7049WT Global Market for Wine	3
WINEMKTG 7064WT Advanced Wine Marketing	3

4.1.2 Elective Courses

All candidates shall complete elective courses selected from the following:

AGRIBUS 7009WT Issues in Australian Agribusiness	3
AGRIBUS 7012WT International Agribusiness Environment	3
AGRIBUS 7044WT Agricultural Business Management	3
OENOLOGY 7000NW Introduction to Grape and Wine Knowledge	3
OENOLOGY 7017WT Fortified Wine, Spirits, and Non-Grape Beverage	3
WINEMKTG 7003WT Advertising and Promotion	3
WINEMKTG 7005WT Wine and Food Tourism and Festivals	3
WINEMKTG 7006WT Retail Management	3
WINEMKTG 7015WT Issues in Wine Business	3
WINEMKTG 7033WT Research Methodology and Methods	3
WINEMKTG 7034W Winery Business Management	3
WINEMKTG 7035WT International Wine Law	3
WINEMKTG 7039WT Applied Marketing Research	3
WINEMKTG 7052WT Applied Management Science	3
WINEMKTG 7053WT Introduction to Managerial and Financial Accounting	3
WINEMKTG 7054WT Legal Issues in Wine Marketing	3
WINEMKTG 7055WT Principles of Food and Wine Marketing	3
WINEMKTG 7056WT Internet Marketing and E-Commerce	3
WINEMKTG 7057WT Food Marketing	3
WINEMKTG 7058WT International Marketing of Wine and Agricultural Products	3
WINEMKTG 7059WT Strategic Marketing Management	3
WINEMKTG 7060WT Consumer Behavioural Analysis	3
WINEMKTG 7062EX Macroeconomic Principles	3
WINEMKTG 7065WT Database Marketing for Wine and Food Business	3

4.1.3 Optional supervised research project

Subject to the approval of the Faculty, up to 21 units of supervised research project can be completed in lieu of the core and elective courses.

4.2 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

4.3 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Doctor of Science in the Faculty of Sciences

Academic Program Rules

1 (a) Subject to these Academic Program Rules a person who has been admitted in the University of Adelaide to an Honours degree of Bachelor or a degree of Master in Science, Agricultural Science, Applied Science or Engineering, or to the degree of Doctor of Philosophy in a field of study approved by the Faculty of Sciences, may proceed to the degree of Doctor of Science in the Faculty of Sciences.

(b) On the recommendation of the Faculty of Sciences the Council may accept as a candidate for the degree a person who has been admitted to a degree in the University of Adelaide other than one named in section (a) of this regulation, or who has qualified for a degree of another university or institution of higher education recognised by the University of Adelaide and has had a substantial association with the University; provided that in each case the person concerned has, in the opinion of the Faculty, had an adequate scientific training.

(c) On the recommendation of the Faculty of Sciences the Council may, in special cases, accept as a candidate for the degree a person who does not hold a degree of a University or institution of higher education, provided that in each case the candidate concerned has a substantial association with the University and has, in the opinion of the Faculty, adequate scientific credentials.

(d) Except where a person has been accepted as a candidate under regulation 1(c), no person shall be accepted as a candidate for the degree of Doctor of Science in the Faculty of Sciences before the expiration of five years from the date of original graduation.

2 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager, Graduate Administration and Scholarships, Adelaide Graduate Centre and with such notice shall furnish particulars of his/her scientific achievements and of the work to be submitted for the degree.

(b) The Faculty of Sciences shall appoint a committee to examine the information submitted and to advise the Faculty on whether the Faculty should:

(i) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted *or*

(ii) advise the applicant not to submit his/her work *or*

(iii) not allow the applicant to proceed; and the Faculty's decision shall be conveyed to the applicant.

(c) If the Faculty approves the subject or subjects of the work and the candidate proceeds with the submission the Faculty shall nominate examiners of whom one at least shall be an external examiner.

3 (a) To qualify for the degree the candidate shall furnish satisfactory evidence that he/she has made an original contribution of distinguished merit adding to the knowledge or understanding of any subject with which the Faculty is directly concerned.

(b) The degree shall be awarded primarily on a consideration of such published works as a candidate may submit for examination.

(c) The candidate in submitting published works shall state generally in a preface and specifically in notes the main sources from which the information is derived and the extent to which the candidate has made use of the work of others, especially where joint publications are concerned. The candidate may also signify in general terms the portions of the work claimed as original.

(d) The candidate is required to indicate what part, if any, of the work has been submitted for a degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two of the copies will be transmitted to the University Library.

5 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty of Sciences, be admitted to the degree of Doctor of Science in the Faculty of Sciences.

6 Notwithstanding anything contained in the preceding rules, the Faculty may recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to the knowledge or understanding of a subject with which the Faculty is directly concerned, of a standard not less than that required by Regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulation allowed 4 November, 1965.

Amended: 28 Feb. 1974: 1, 5; 23 Jan. 1975: 1; 15 Jan. 1976: 6; 4 Feb. 1982: 2, 4; 24 Feb. 1983: 2.21 Feb. 1991: 1; 13 Feb. 1992: 1(b).

Rule approved and Regulation repealed 18 March 1999.

Professional and Continuing Education

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Professional awards coordinated by Professional and Continuing Education

- Professional Certificate in Arbitration

Professional Certificate in Arbitration

Academic Program Rules

1 Duration of program

Taught over two semesters, the Professional Certificate in Arbitration comprises a General and Advanced course. Programs comprise 13 weeks of Tuesday evening two-hour tutorials, and a full one-day workshop. An introductory session to the Australian Legal System is provided at the commencement of the General Course.

Online learning is offered to students unable to attend tutorials in designated locations.

2 Admission

2.1 Basic qualifications

2.1.1 The qualifications which would allow automatic admission to the Professional Certificate are recommended as one of the following:

A degree from a University recognised by the University of Adelaide in a field or discipline leading to the holder's practising in the relevant field, plus two years continuous practice in the field,

A diploma or other tertiary qualification from a University or institution (including a TAFE college) recognised by the University of Adelaide, plus not less than three years experience in the practice of the calling for which the qualification is held *or*

A recognised industry-based qualification (such as training in business management through the Institute of Management), the holding of a senior and responsible position within business or industry with not less than four years total experience *or*

The holding of a senior position in a field of practice or discipline, plus not less than five years total experience in that field.

Such other qualification or experience as the Faculty of Law, on the advice of the Advisory Board of Management, sees fit.

2.1.2 Being a person of good repute with no criminal record and holding a senior and respected position in the field of practice in which the person works.

2.1.3 Relevance of the Professional Certificate as contributing towards a masters degree:

Graduates possessing a Professional Certificate may be allowed to continue to study for the qualification of a Masters Degree Law specialising in Arbitration provided that:

(a) They possess the necessary other qualifications required (e.g. the holding of an appropriate degree)

(b) They are acceptable to the relevant Faculty of Law admitting them as students.

2.2 Status

Candidates possessing a law degree may be granted exemption from the General Program, dependent on their years of experience in the field and the number of ADR cases dealt with in their professional career.

3 Assessment

General course assessment comprises three components:

(a) participation at compulsory one-day workshop 25%

(b) 3,000 word assignment 40%

(c) 2 hour exam 35%.

The Advanced course assessment consists of three components:

(a) participation at the one-day workshop 25%

(b) 4000-5000 word assignment 40%

(c) 3 hour final exam 35%.

Each course provides 12 modules, several law based, relevant to arbitration.

4 Qualification requirements

4.1 Program of study

To qualify for the Professional Certificate, a candidate shall satisfactorily complete the General course, and successfully pass all components of the Advanced course.

Candidates are serviced with all program materials, including text book and Arbitration video. Website access provides on-line learning for distance education students. On-line students are provided with an additional one-day program to coincide with the full-day workshop in each course.

Email enquiries: susan.boehm@adelaide.edu.au

Professional Certificate in Arbitration – Graduate Attributes

Knowledge

On completion of this program, the student should have an understanding of:

- Basic legal principles applicable to simple arbitrations including the Law of Torts, the Law of Contract, Trade Practices, Law, Waiver and Estoppel and the Law of Evidence.
- Principles of Procedural Fairness including bias, notice, opportunity to a present case and rebut an opposing case(s), and the necessity to rely upon logically compelling evidence.
- The application, scope and operation of the Commercial Arbitration Act.
- The validity and enforceability of an arbitration agreement.
- The severability of dispute resolution clauses.
- The scope of an arbitrator's jurisdiction.
- Confidentiality and privacy within an arbitration.
- The principles and process governing the holding of a preliminary conference including knowledge of the various directions which the arbitrator may make to conduct the arbitration fairly and expeditiously.
- The principles underlying the arbitrator's power to conduct a mediation.
- The distinction in process between expedited and more complex and lengthy cases.
- The process of discovery.
- subpoenas.
- The principles and process governing simple interlocutory matters.
- The distinction between 'documents only hearings' and hearing where oral evidence is taken.
- The principles governing the conduct of a fair hearing.
- The principles governing the receipt of evidence.
- The principles governing expert evidence.
- The process governing the receipt of expert evidence.
- The principles and process governing the recording of evidence.
- The legal requirements of a valid award.
- The professional requirements of a well crafted award.
- The powers of the courts to review the arbitration process.
- The powers of the courts on appeal from an arbitration.

Skills

On completion of this program the student should demonstrate the ability to:

- Work within the system/rules governing the accepting and handling of cases.
- Allocate time, effort and other resources so as to deal expeditiously with information, issues, scheduling, witnesses, parties and the conduct of an arbitration.
- Explain the role of the arbitrator.
- Conduct a simple preliminary conference.
- Determine simple questions of legitimacy and jurisdiction.
- Supervise the parties to an arbitration.
- Handle simple interlocutory matters.
- Keep proper records of arbitration.
- Speak clearly.
- Maintain a conducive atmosphere throughout the arbitration.
- Conduct a fair hearing.
- Conduct a simple hearing according to the requisite procedural requirements.
- Organise and analyse data.
- Differentiate between different types of evidence (oral, documentary, direct, indirect, hearsay).
- Correctly apply basic legal principles to simple fact scenarios.
- Observe and accurately interpret evidence.
- Differentiate between the value and reliability of evidence.
- Determine inferences that can be properly drawn from data presented and omitted.
- Bring simple cases to completion.
- Summarise facts and conclusions.
- Reference any law relied upon.
- Convey a decision clearly to the parties.

Attitudes

On completion of this program the student should demonstrate an:

- Understanding of the appropriate relationship between an arbitrator and the parties to dispute.
- Understanding of the need to remain impartial and independent.
- Understanding of the need to maintain legitimacy.
- Understanding of the need to remain informed, responsible and critically discriminating in his or her participation in the community.
- Commitment to ethical and personal standards of professional behaviour.

Syllabuses

Courses are listed in alphabetical order under the following disciplines:

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Agricultural Business 410
Agriculture 411
Agronomy 411
Anatomical Science 413
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Engineering:
- Chemical 473
- Civil & Environmental 474
- Electrical & Electronic 478
- Mechanical 481
- Petroleum 483
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Environmental Biology 497
Environmental Management 498
Environmental Studies 500
Gastronomy 503
Geology & Geophysics 505
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Accounting

ACCTING 7000

Accounting and Decision Making (M)

- 3 units - semester 1 & 2
- 2 hour seminar, 1 hour tutorial per week
- Assessment: assignments & exam as determined at first class

The course introduces students to the use of accounting information by external users and management. Topics: accounting information in its decision making contexts, external financial reports, principles of double entry book-keeping: worksheets, the adjustment process, trial balance, inventory systems, receivables and payables, non-current assets and liabilities, owner's equity, introduction to financial statement analysis, the time value of money, capital budgeting, cost-volume-profit analysis, management accounting tools of analysis and budgeting.

ACCTING 7008

Financial Accounting Issues (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: ACCTING 7012 Commercial Law and Accounting Regulation (M)
- Assessment: assignments & exam as determined at first class

The course examines the issues related to selected accounting standards, and the theories and debates underpinning the development of financial accounting principles and practices. Topics: theory development in accounting, general prescriptive theories, capital market-based research, standard setting in a theoretical and political framework, positive accounting theories, social and environmental accounting issues, valuation and impairment of non-current assets, and accounting for intangibles and intellectual capital.

ACCTING 7009

Auditing & Assurance Services (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: ACCTING 7000 Accounting and Decision Making (M), ACCTING 7012 Commercial Law and Accounting Regulation (M)
- Assessment: assignments & exam as determined at first class

The course examines the principles and practices of internal and external auditing. Topics: auditing as a component of recurrent and strategic activities, risk assessment, internal control, systems evaluation, forensic accountability, and contemporary audit issues and challenges.

ACCTING 7010

Corporate Accounting (M)

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: COMMERCE 7005 Principles of Finance, ACCTING 7012 Commercial Law and Accounting Regulation (M)
- Assessment: assignments & exam as determined at first class

The objective of the course is to understand and apply the standards and methods of accounting for companies and corporate groups. Topics: inter-corporate investments and consolidated accounts, issue of shares and debt securities, company reconstructions, accounts of liquidators and receivers, amalgamations and takeovers, foreign currency translations and joint ventures.

ACCTING 7012

Commercial Law & Accounting Regulation (M)

- 3 units - semester 1 & 2
- 3 hour seminar per week
- Corequisite: ACCTING 7000 Accounting and Decision Making (M)
- Assessment: assignments & exam as determined at first class

The course aims to help students understand the legal and regulatory framework of commercial transactions and financial reporting, and to examine issues relating to selected accounting standards. Topics: introduction to the legal system including the roles of the Constitution, parliaments and the courts, an introduction to basic rules of contracts, Australian and international accounting standards setting, corporate governance, financial statement disclosures, earnings per share, lease accounting, and income tax accounting.

ACCTING 7014

Management Accounting (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: ACCTING 7000 Accounting and Decision Making (M)
- Assessment: assignments & exam as determined at first class

The course introduces students to contemporary management accounting concepts and techniques. Topics: the role of accountants in internal decision-making, tools used to design and develop costing systems, preparation of budgets and their role as a planning and control tool, other decision-making tools including CVP analysis, pricing decisions, inventory issues and costs of quality.

ACCTING 7015

Advanced Financial Reporting (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at accounting specialisation level
- Assessment: assignments & exam as determined at first class

The course will investigate current developments and issues for corporate governance and financial reporting in Australia and internationally. Topics: corporate governance and corporate disclosure reforms in Australia, the adoption of IFRSs and major changes to AASBs, impairment of assets, intangibles and intellectual capital, international accounting classification schemes, national culture and diversity/harmonisation of accounting systems, financial reporting in transitional economies, comparative country studies of accounting and reporting, disclosure practices of initial public offerings.

ACCTING 7017

Financial Statement Analysis (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: ACCTING 7000 Accounting and Decision Making (M) and COMMERCE 7005 Principles of Finance
- Assessment: assignments & exam as determined at first class

The course will help students understand the properties of information derived from financial statements and the factors that influence the presentation of such information. Topics: demand and supply forces underlying the provision of corporate data, financial statement numbers and alternative accounting methods, international case studies based on listed companies in various industries, restate-translate issues, construction of projected financial statements, capital markets and corporate information releases, business combinations and financial information, distress analysis and financial information.

ACCTING 7018

Public Sector & Not-For-Profit Accountability (M)

- 3 units -semester 2
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at accounting specialisation level
- Assessment: assignments & exam as determined at first class

The course examines the concepts, methods and contexts of governance, financial management and financial reporting in public sector and not-for-profit entities. Topics: the nature and directions of public sector and not-for-profit sector governance, the new public sector era, dimensions of accountability, financial statements for government departments, local governments and whole-of-governments, infrastructure and heritage assets, output-based accrual reporting and budgeting systems, governance and accountability in non-for-profit organisations, quantitative and qualitative performance measures, and financial reporting approaches and issues for not-for-profit entities.

Agricultural Business

AGRIBUS 7009WT

Issues in Australian Agribusiness

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: general marketing concepts
- Assessment: to be advised

This course focuses on current agribusiness issues in Australia. Of particular importance are inter-relationships between businesses and the macro environment. Topics will include world food balances, market failure, WTO, globalisation, value adding, diversification, quality and quality management, value chains and other developments in strategic marketing. Student seminar presentations are a critical component of this course.

AGRIBUS 7012WT

International Agri-Business Environment

- 3 units - semester 2
- 3 hours lectures/seminars per week
- Assessment: to be advised

This course provides an overview of the international business environment within which agribusinesses function. Topics include Australian trade and investment policies, international cooperation arrangements, legal and political issues, cross-cultural issues, strategies for entering foreign markets, strategic alliance issues, logistics, international human resource management issues, regional case studies. Student seminar presentations are a critical component of this course.

AGRIBUS 7044WT

Agricultural Business Management

- 3 units - semester 1 or 2
- Multi-modal
- 3 hour seminar each week

The aim of this course is to provide perspective and understanding of the overall management role, and to demonstrate linkages between various management functions. Aspects covered include, introducing management and agricultural business, accounting management, financial management, risk management, investment appraisal, legal aspects of agricultural business, and human resources management

Agriculture

AGRIC 7007RW

AGRIC 7007WT

Research Proposal

- 3 units - semesters 1 or 2
- Assessment: written report, seminar as arranged by Department

The proposal will include a review of the relevant literature on a research topic, a justification of the proposal in terms of its academic and, if appropriate, industry value and a summary of the methodology which would be used in the investigation. The candidate will also present a seminar as part of the research proposal.

Agronomy

AGRONOMY 7001RW

Agroforestry

- 3 units - semester 2
- 2 hours lectures, 4 hours associated practical work excursions per week - option to take course online with attendance at 2-3 full day field trips
- Assessment: to be advised

Topics include: Agroforestry for functional mimicry of natural ecosystems; Landuse systems with balanced water use; Trees for shelter, shade and soil conservation; Biodiversity and habitat management; Farm sawlog, firewood and pulpwood production systems; Trees in grazing and fodder systems; Specialty tree products; Integrated production systems; Design and evaluation of agroforestry; Establishing trees on farms; Socio-economic evaluation of agroforestry for the management of dryland salinity; Adoption of agroforestry in Australia; Institutions supporting the implementation of agroforestry.

AGRONOMY 7003RW

Managing Agricultural Development

- 3 units -semester 1
- 3 hour seminar per week
- Assumed Knowledge: degree in Agriculture or equivalent
- Assessment: as arranged by supervisor/lecturer

The course aims to provide students with an analytical and structural framework for management of agricultural development in developing countries. It deals with functions, structures and organisation in managing agricultural development. Various types of management, for example financial, information and marketing, are studied which link and involve the production and marketing programs. Applications will be studied, eg credit and input supply, land reform, extension and research. Other aspects include: policy making and agricultural development planning, management in government and non-government organisations, and participation at the community level.

AGRONOMY 7008RW

Agroforestry Research Principles

- 3 units - not offered in 2005
- Assessment: literature reviews, assignments

Agroforestry is a relatively new discipline which is developing its own set of principles, techniques and institutions. This is due to the extended temporal and spatial dimensions of agroforestry systems which complicate the experimental design and statistical analysis of agroforestry research; and the wide range of socioeconomic contexts within which the research is based. The course examines case studies of agroforestry research across a wide range of systems hierarchy (i.e. physiological to landscape levels) in both developing and developed countries. This will also introduce the biophysical and economic modelling of agroforestry systems and Australian and international agroforestry research institutions.

AGRONOMY 7009RW

Measurement of Plant and Soil Water

- 3 units - semester 1
- Assessment: literature reviews, associated assignments

Agronomic research uses a wide range of techniques to measure the water status in plants and soil. This course leads the student through an integrated study of the theory and practical measurement of transpiration, soil water, groundwater and agrometeorology. The student will prepare focussed reviews of each of these sub-topics and learn the techniques for measurement of plant and soil water, groundwater and climate. The student will also be instructed in the general use of data loggers and specific measurement software.

AGRONOMY 7012RW

Development of New Crops and Markets

- 6 units - semester 1 and 2
- Assessment: literature reviews, associated assignments

Sustainable economic development demands that national and regional agricultural systems have the capacity to diversify. This requires individuals with a multi-disciplinary understanding of the whole process to develop new crops and markets as well as those with specific knowledge of various industry and market structures along the process. This course begins with a market perspective of crop diversification. The influences of international influence, gene sources and potential new crops are covered. Seed development technology and developing new production systems, industry infrastructure, seeking processing and quality control are introduced in the second semester. Finally, new technology issues

are studied. Students will also engage in focused projects on specific stages on the market development or production process, eg. Seed and propagule technology; post harvest handling, processing and quality control of field crops; and the role of biotechnology in new crop development.

AGRONOMY 7016EX

Communications and Agricultural Extension

- 4 units - semester 1 or 2
- External - odd years only
- 3 hours per week
- Assessment: assignments

Theory and models of communication. Language, meaning, culture, written and oral communications. Report writing. Readability. Style in writing. Application of learning and communications theories to the presentation of information. Role of different extension techniques in the education process. Credibility, empathy and rapport. Communications for various audiences. The scope, purpose, structure and organisation of the agricultural extension services in the different states of Australia. Comparison of the history and underlying philosophy of agricultural extension services in Australia with those of other countries. Organisations and agencies (government and non-government) with a role in agricultural extension. The audience for agricultural extension. Agricultural extension in developing countries. Legal liability in extension. Group process and leadership. The preparation of press articles, tape recordings, video tape programs and micro-teaching presentations are included in practical exercises.

AGRONOMY 7017WT

Viticultural Engineering and Operations

- 3 units - semester 2
- 6 hours per week
- Assessment: assignments, tutorials, practicals, written exams

Tractor performance and safety, engine characteristics, power transmission, traction, hydraulics. Trellis design and performance. Water storage performance. Principles and practices of vineyard operations including tractor and machinery operation, spray equipment calibration and spray application. Pruning, training, trellis erection and repair, propagation and other activities. Students are required to work in the campus vineyards. This course includes visits to commercial vineyards.

AGRONOMY 7018RW

Agricultural Engineering

- 4 units - semester 1 or 2
- 3 hours - per week
- Assessment: written reports

The course consists of a project, negotiated between the student and the Discipline and assignment and tutorial work as directed by the Discipline. Each component is complementary in that the assignment and tutorial work is directed toward the theoretical and analytic basis of the topic in which the project has been selected.

AGRONOMY 7020RW

Research Methodology

- 4 units - semester 1
- 2 hours per week
- Prerequisite: admission to B.App.Sc.(Hons) or postgraduate program offered by Faculty
- Assessment: exam 45%, assignments 30%, tutorial exercises 15%, seminar 10%

This course introduces students to the research process. It covers topics such as priority-setting and planning; establishing and designing experiments; data collection and management; statistical analysis; grant application; scientific writing and communication of research results.

AGRONOMY 7021WT

Irrigation Science

- 3 units - semester 1
- 6 hours per week
- Prerequisite: AGRONOMY 2012RW Engineering Science or AGRONOMY 1001RW Engineering in Agriculture or CHEM ENG 1001 Engineering Physics or AGRONOMY 2012RW Engineering Principles
- Assessment: practicals, assignments, written exams

Irrigation principles: evapotranspiration and soil moisture budget, crop requirements (peak rate and crop factor), adjustments for salinity (leaching fraction), sprinkler and dripper characteristics, sprinkler and dripper layout, hydraulics of pressure irrigation systems, irrigation scheduling, leveling, automatic controllers.

AGRONOMY 7022RW

Indigenous Australians & Environmental Management

- 3 units - not offered in 2005
- Equivalent of 5 hours per week (includes vacation field camp)
- Quota will apply
- Assessment: practicals/assignments

Contemporary land and resource use and management by Aboriginal people, and its relationship to sustainable development. Theoretical frameworks drawing on development studies, emphasising concepts of empowerment and indigenous self determination, and participatory approaches to resource management. Exploration of the positive and negative impacts of Australian resource management on indigenous people. Aboriginal world views, social organisation and relationships to country. Skills in communicating and negotiating with Aboriginal people. Specific

topics covered include Aboriginal ecologies; subsistence economies; land and sea rights including native title; co-management regimes; heritage management; the role of Aboriginal organisations in environmental management.

Anatomical Science

ANAT SC 5000

Human Anatomy for Graduate Certificate

- 12 units - full year
- 4 x 2.5 hour late afternoon/evening tutorial/ practical sessions per week
- Eligibility: Grad. Cert. Anatomy students only
- Prerequisite: undergraduate degree, or equiv, including Biology
- Assessment: to be advised at start of year

This is a course of detailed human gross anatomy that permits students to gain an in-depth knowledge of systematic/regional gross anatomy by dissection of the human cadaver. The majority of coursework will be of a problem-based, self directed type as students will be given dissection tasks introducing them in depth to the structure of systems and all regions of the human body. During the last 2 months of the course each student will do a project which involves preparation of a display quality prosection and presentation of a lecture on the anatomy of the prosected part of the body.

Animal Science

ANIML SC 7004RW

Topics in Animal Science

- 3 units - semester 1 or 2
- 26 lectures or equivalent, associated practical work
- Assumed Knowledge: degree in Agricultural Science or Science
- Assessment: to be advised

The course will offer the opportunity to cover a range of topics on Animal Science related to the teaching and research interests of staff. Candidates should consult the Head of Discipline for topics currently available.

ANIML SC 7011RW

Comparative Animal Physiology

- 3 units - semester 1
- 6 hours per week
- Assumed Knowledge: ENV BIOL 1001 Biology I, or APP ECOL 1004RW Cell Biology and Genetics and APP ECOL 1003RW Biology of Plants and Animals.
- Restriction: ANIML SC 2015RW Physiology of Farm Animals
- Assessment: exam 30%, practicals 40%, assignments 30%

This course deals with animal physiology: the tissues; physiology of the major systems including skeletal and muscular, circulatory, respiratory, digestive, excretory, nervous, endocrine, reproductive, environmental physiology.

ANIML SC 7021RW

Animal Health and Welfare

- 3 units - semester 2
- Assumed Knowledge: ENV BIOL 1000A/B Biology I; APP ECOL 1004RW Cell Biology and Genetics and APP ECOL 1003RW Biology of Plants and Animals.
- Restriction: ANIML SC 3010RW Diseases & Nutrition of Livestock
- Assessment: exam, assignments, case studies

Diseases of farm animals caused by viral, bacterial, fungal and parasitic infections, metabolic disturbances, trace element deficiencies and genetic diseases. Disease symptoms, the scientific basis of diagnosis and treatment. Interactions between nutrition and immune responses. Detection and treatment for deficiencies and toxicities. The metabolic roles of vitamins, minerals, amino acids, carbohydrates and fatty acids. Regulation of feed intake, diet selection and feed preference/palatability.

ANIML SC 7022RW

Animal Nutrition and Metabolism

- 3 units - semester 2
- Assumed Knowledge: ENV BIOL 1000A/B Biology I or APP ECOL 1004RW Cell Biology and Genetics and APP ECOL 1003RW Biology of Plants and Animals.
- Restriction: ANIML SC 3010RW Diseases & Nutrition of Livestock
- Assessment: exam, practicals, assignments

This course will discuss the principles and application of animal nutrition across a range of species, focusing mostly, although not exclusively, on livestock species. Students will develop an understanding of the nutritional components of feedstuffs and nutrient requirements, including requirements for energy, protein, carbohydrate, fat, minerals and vitamins. The effects of nutrient supply on growth, reproduction, body composition (eg, fatness), health and welfare and product quality (for agricultural animals) are considered. The hormonal regulation of nutrient partitioning is also discussed, with particular reference to the changing requirements associated with growth, pregnancy and lactation. The role of nutritionists in animal-based enterprises, including the use of least-cost ration formulation is discussed. The course includes lectures and practicals, including hands-on animal trials.

ANIML SC 7023RW

Pig Science

- 4 units -summer semester (Jan. workshop)
- Assumed Knowledge: ENV BIOL 1000A/B Biology I; APP ECOL 1004RW Cell Biology and Genetics and APP ECOL 1003RW Biology of Plants and Animals,, ANIML SC 2030RW Livestock Production Science
- Restriction: ANIML SC 3001RW Pig and Poultry Productions; ANIML SC 3012RW Dairy Production,, ANIML SC 3001RW/7023RW Intensive Livestock Management

Pork is the most consumed meat in the world and the second largest agricultural commodity. The management of modern pork production systems is based on detailed information on all aspects of the enterprise, including genetics and breeding, animal nutrition and growth performance, environmental and welfare requirements, health status, reproductive efficiency and product (meat) quality. This course will consider the advantages and disadvantages of various modern pork production systems (including welfare considerations, economic factors, the demand for product consistency, food safety issues, and other consumer expectations). The main factors that are required for the successful management of pigs are discussed, focusing on the management of suckling piglet, the weaner/grower pig and the breeding sow. This course is offered by the National Centre for Pork Industry Training and Education, based at Roseworthy Campus. The course includes lectures; site visits to commercial operations, and other practical sessions. It is intended that students completing the course will understand both commercial pork production and the science that underlies it.

Applied Ecology

APP ECOL 7001RW

Ecology and Management of Rangelands

- 3 units - part semester 2, part winter vacation
- Includes 10-day field camp
- Assumed Knowledge: APP ECOL 2010WT Population Ecology or SOIL&WAT 2001RW Community Ecology, or equivalent
- Assessment: project reports 50%, theory exam 50%

A course in ecology emphasising the study of interactions between grazing animals and the vegetation in arid areas, the principles involved and their application to management practices. Particular attention is paid to the impact of domestic, feral and native herbivores on the population dynamics of the dominant woody perennials, and the maintenance of their stabilising influence on the landscape. The bulk of the teaching is done at Middleback, a working sheep station set in the western myall woodlands on the southern margins of the north-west pastoral district of South Australia. The main focus on ecology of these arid woodlands and their highly productive saltbush-bluebush understorey, is taught in the context of the history of land use, subsequent research, the ensuing legislation, and its administration, with input from pastoralists and government officers where appropriate.

APP ECOL 7003WT

Plant Disease and the Environment

- 3 units - semester 2
- 2 lectures, four hour practical per week
- Assumed Knowledge: APP ECOL 2003WT General Microbiology II and APP ECOL 3011WT Pathogen-Plant Interactions
- Assessment: final exam, practical books & assignments

An environmentally responsible approach to the control of plant disease, based on knowledge of the factors which influence disease development and the survival and dispersal of pathogens. Emphasis will be placed on the pathogen - host plant - vector - environment interaction, the nature of disease epidemics, biological control including cultural practices, genetic and induced host plant resistance and the use of antagonistic microorganisms.

APP ECOL 7006WT

Integrated Pest Management A

- 3 units - semester 1
- 2 lectures; 4 - 5 hours practicals /computer exercises per week
- Assessment: exam 50%, practical exercises & assignments 50%

This course provides an introduction to the theory and practice of pest management. Topics considered are: the development, regulation and use of pesticides; strategies and tactics for managing pests (biological, cultural, genetic and chemical control); integrated pest management; economics of pest management; the diagnosis of disease; strategies and tactics for managing disease outbreaks; integrated weed management.

APP ECOL 7008WT

Pathogen-Plant Interactions

- 3 units - semester 1
- 2 lectures, four hour practical per week
- Prerequisite: APP ECOL 2003WT General Microbiology II
- Assessment: practical reports 25%, written exam 75%

This course focuses on the biology of plant pathogenic fungi, nematodes, bacteria and viruses with emphasis on interactions with hosts, the nature of disease and diagnosis. It provides biological information required for devising disease control strategies and complements APP ECOL 3005WT Plant Disease and the Environment. Physiological, biochemical, genetic and molecular properties of pathogens will be discussed. Aspects of plant pathogen systems will include host physiology, disease development, resistance and molecular plant-microbe interactions.

APP ECOL 7010WT

Topics in Plant and Pest Science

- 3 units - semester 2
- 26 lectures or equiv. (essays, tutorials & seminars), associated practical work
- Prerequisite: degree in Science, Environmental Science, Agriculture or equivalent
- Assessment: to be advised

The course will review some of the following topics: population dynamics and seasonal occurrence of insect, plant pathogen and weed pests; biology of pests; quantitative methods of sampling, decision making and damage assessment; chemical control; plant resistance and biotechnology; biological control; quarantine procedures; integration and implementation of crop protection practices. Candidates should consult the Head of Discipline for topics currently available.

APP ECOL 7011RW

Ecology and Management of Vertebrate Pests

- 3 units - summer semester
- 10 days during summer vacation
- Quota will apply
- Assumed Knowledge: 6254 Population Ecology or equivalent
- Assessment: proposal, progress report, final report

This course, presented in conjunction with the Animal and Plant Control Commission, strongly emphasises the field application of vertebrate pest control techniques and provides the theoretical bases for these techniques. Topics covered are the biology and ecology of vertebrate pests; the damage caused by pest animals; the legislative and administrative aspects of vertebrate pest control; district organisations; extension; vertebrate pest control practice.

APP ECOL 7013WT

Fungal Biology

- 3 units - semester 2
- Even years only
- 2 lectures, 4 hours of practical/tutorial per week
- Assumed Knowledge: APP ECOL 2003WT General Microbiology II (pre 1992: 5677 Agricultural Microbiology and Zoology)
- Assessment: exam, fungal collection, practical books examined

Aspects of the biology of fungi, including classification, biodiversity, ecology, physiology, genetics and molecular biology, will be covered. Emphasis will be placed on fungi that are pathogens of economically important crops. Fungi of importance in natural ecosystems, industry, biotechnology and medicine will also be considered.

APP ECOL 7014AEX

Integrated Weed Management Part 1

- 1.5 units - semester 1
- Students must enrol in APP ECOL 3022BEX/7014BEX Integrated Weed Management Part 2
- 2 day residency for practicals in first mid-semester break - modules at students pace
- Assumed Knowledge: completion of Level II Plant Biology course
- Assessment: 5 assignments during year

The impact of weeds on agricultural and natural ecosystems. Important characteristics of weed biology. Ecology of weeds. Methods of sampling and monitoring weed infestations. Biological, cultural and chemical methods for weed management. Integrating management techniques for weeds in a range of ecosystems, including: cropping enterprises, perennial pastures, national parks and recreation areas and horticultural systems.

APP ECOL 7014BWT

Integrated Weed Management Part 2

- 1.5 units - semester 2
- 2 day residency for practicals in first mid-semester break - modules at students pace
- Prerequisite: APP ECOL 3022BEX/7014AEX Integrated Weed Management Part 1
- Assessment: 5 assignments

The impact of weeds on agricultural and natural ecosystems. Important characteristics of weed biology. Ecology of weeds. Methods of sampling and monitoring weed infestations. Biological, cultural and chemical methods for weed management. Integrating management techniques for weeds in a range of ecosystems, including: cropping enterprises, perennial pastures, national parks and recreation areas and horticultural systems.

Architecture

ARCH 7006

Architecture Masters Project

- 12 units - full year
- Up to 20 hours a week studio work, with specialist lectures irregularly spaced
- Eligibility: available to M.Arch.(Coursework) students only
- Prerequisite: ARCH 7013 Architecture Studio II
- Corequisite: ARCH 7007A/B Architecture Masters Dissertation
- Assessment: masters project

This course entails the preparation of a design response to a student devised brief. The substance and scope of the design may embrace aspects of nature and/or culture in urban and/or rural

settings but is specifically intended to display the students' mastery at architectural design and an attuned understanding of the factors, theories, and opportunities that may influence and underpin the design.

The project will be of moderate to high complexity. Tuition will entail both individual and group seminar and studio classes resulting in an individual exposition. Responses should demonstrate an advanced level of knowledge and ability in several areas of architecture thought and practice, including evidence of the student's ability to collect and evaluate information, construct, test and defend arguments or hypotheses, and to critically self-examine architectural design proposals. The final presentation or exhibition of the project should display a thorough integration of all major aspects of the Program.

ARCH 7007

Architecture Masters Dissertation

- 12 units - full year
- 2 hour tutorial/seminar weekly
- Corequisite: ARCH 7006A/B Architecture Masters Project II
- Assumed Knowledge: Design at postgraduate degree level
- Restriction: enrolment subject to application to the Head of the School and contingent upon prior results
- Eligibility: available to M.Arch.(Coursework) students only
- Assessment: seminar paper and/or exhibition, and final essay or report articulating and supporting the project

This course comprises an individual research inquiry into a topic or theme or theory within the discipline of architecture. The dissertation research culmination needs to display an adept fluency in period and contemporary literature and debates about the topic, evidence of a logical argument and analysis of available information or test results, an appreciation and use of a research methodology including its assumptions and validity, and the presentation of this research in a robust discussion paper or through an exhibition with catalogue.

Students will be required to undertake supervised research into a particular topic, leading to the presentation of a seminar paper, and submission of a final report/essay of between 6000 - 12000 words.

ARCH 7009

Architecture Studio 1A

- 6 units - semester 2
- Up to 18 hours of lectures/ tutorials/ workshops; contact hours vary from week to week
- Eligibility: M.Arch.(Coursework) students only
- Assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication

A project-based learning program integrating architectural and landscape design and digital media technologies that will typically address a small to medium sized design and planning topic in an urban setting possessing particular cultural constraints, relationships and landscape nuances. The course will place emphasis upon either urban design or ecological design or urban ecology questions and theories. The course will explore the role and contribution of design in our cultural environments, and the nexus between culture and nature in an urban context.

ARCH 7010

Architecture Studio IB

- 6 units - semester 1
- Up to 18 hours of lectures/ tutorials/ workshops; contact hours vary from week to week
- Eligibility: M.Arch.(Coursework) students only
- Assessment: assignments, may include written, verbal, and graphical (2 and 3 dimensional) communication -assessment will be in two equally weighted components - to pass, a mark of at least 50% must be obtained for each component

A project-based learning program integrating design and the technology and practices of construction, structures, materials and building services, within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological factors. The course will typically be focussed on the design of a dwelling (or small group of dwellings) on a real site, with a particular owner-occupier as client. Students will be required to develop a brief from the client's instructions. Theory and practice regarding a range of aspects of low-rise domestic construction (including site preparation, footings, light timber framing and masonry construction) will be applied. Students will be expected to explore a design 'parti' and its sources and precedents, to explain design intentions and communicate the architectural intentions of the building design, and to demonstrate that they understand its potential construction and performance. There will be an emphasis on the lighting and thermal performance of the building and associated energy use, in the context of the client's requirements.

ARCH 7011

Architecture Studio IC

- 6 units - semester 1
- Up to 18 hours of lectures/tutorials/ workshops; contact hours vary from week to week
- Eligibility: M.Arch.(Coursework) students only
- Assessment: two equally weighted components & students must pass each component, assignments may include written, verbal, and graphical (2 and 3 dimensional) communication

A project-based learning program integrating design and technology and practices of construction, structures, materials and building services, within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological factors.

Architecture Studio IC will typically be focused on the design of a building alteration and refurbishment, requiring facilities planning, the survey and measuring of an existing building, and the preparation of measured drawings and dilapidation reports. It will also address issues arising in building conservation and the insertion of new buildings into heritage areas. There will be emphasis on structural assessment, materials characteristics and selection, plumbing and electrical services, and lighting.

Lectures given in the course will complement the design process, addressing the topics outlined above.

ARCH 7012

Architecture Studio ID

- 6 units - semester 2
- Up to 18 hours of lectures/ tutorials/ workshops; contact hours vary from week to week
- Eligibility: M.Arch.(Coursework) students only
- Assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication

A project-based learning program integrating architectural and landscape design and digital media technologies that will typically address a medium to large sized design and planning topic in a rural setting possessing particular cultural constraints, relationships and landscape nuances different from that commonly experienced in the South Australian environment. The course will explore the possibilities of digital media in designing and articulating designs, large to regional design issues, non-Mediterranean design issues, and site planning questions. Theories of multi-media design expression, architectural and landscape design, on-site infrastructure will be woven with topics addressing human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc) factors.

ARCH 7013

Architecture Studio II

- 8 units - semester 1
- Up to 18 hours of lectures/tutorials/ workshops; contact hours vary from week to week
- Eligibility: M.Arch.(Coursework)students only
- Prerequisite: at least three of the following: ARCH 7009 Architecture Studio IA, ARCH 7010 Architecture Studio IB, ARCH 7011 Architecture Studio IC, ARCH 7012 Architecture Studio ID
- Corequisite: ARCH 7014Architecture Practice II
- Assessment: projects

A project-based learning program in which students will develop their abilities to define the problem, bringing together the regulatory, technical, human (including social and cultural) and environmental factors studied in Level I Architecture Studios, and other facets of the theory and practice of design in architecture.

Architecture Studio II will typically be focused on the design of a mixed-use commercial multi-storey building located in a central business district and raising significant urban design issues. The project will be taken from early (facilities planning) to late (documentation) stages and beyond to post-occupancy evaluation, and will mirror in an educational setting many of the processes carried out in an architectural office. Other, minor, projects will typically involve the schematic design of a sports hall, warehouse, or similar large-span building and a suburban or rural site. Topics which will be emphasised include urban design; design in relation to fire safety and regulations; mechanical services (including heating, ventilation and air conditioning) electrical services; water supply and drainage; excavation and footings; materials and finishes; repetition of building material and industrialised components; joinery construction.

Lectures given in the course will complement the design process addressing the topics outlined above.

ARCH 7014

Architecture Practice II

- 4 units - semester 1
- Up to 6 hours of lectures a week
- Eligibility: M.Arch.(Coursework) students only
- Corequisite: ARCH 7013 Architecture Studio II
- Assessment: work diaries, seminar papers, projects, exams.

This course will address the frameworks for and ethical structures of architectural and landscape architectural professional practice in South Australia and Australia. Topics include organisational theory; principles of law; the general organisation of architectural and landscape architectural (and multi-disciplinary) practices including the management of an office's human, physical and financial resources, the relationship between designers and their clients; consultants and contractors; contract administration; specifications; the legal qualifications of an architect and landscape architect; professional organisations; ethics; risk management and professional liability; planning and building law and regulations; problems facing the architect and landscape architect today; estimating and cost control; bills of quantities; the role of the quantity surveyor; project management; the range of services offered by architects and landscape architects.

A student is expected to be in possession of a current copy of the Building Code of Australia and its associated commentary, as a requirement of this course.

ARCHDM 7001

Architectural Design Digital Media Masters Project

- 12 units - semester 1 or 2
- Contact hours vary
- Eligibility: M.Arch.(Digital Media) students only
- Prerequisite: all required courses in Grad.Dip.Arch.(Digital Media)
- Assessment: assignments/projects

This course comprises an individual or group culminating design, planning and/or research project that addresses an aspect of architectural design, professional practice or architectural design education in the context of digital media. Students will negotiate with the course coordinator a topic that reflects their own particular interests and the mode of digital and/or printed submission that is to be adopted.

ARCHDM 7003

Architectural Design with Digital Media C

- 12 units - semester 2
- Contact hours vary - periods of intensive group contact & periods of less frequent individual tutorials
- Eligibility: Grad.Cert./Grad.Dip./M.Arch.(Dig. Media) students only
- Assumed Knowledge: experience & skills in using a 3D CAD tool
- Assessment: projects

The course focuses on the developing use of digital media in the profession of architecture. It begins with media specific to particular application areas such as building modelling systems. It then focuses on the cultural and professional contexts in which such systems are used in architecture and related fields. A core component of the course is work under the direction of a professional architectural office that is recorded and reviewed in a practice journal.

ARCHDM 7004

Architectural Design with Digital Media A

- 6 units - semester 1
- Contact hours vary - periods of intensive group contact & periods of less frequent individual tutorials
- Eligibility: Grad.Cert./Grad.Dip./M.Arch.(Dig. Media) students only
- Assessment: projects

This course focuses on design forms for 'real' and 'virtual' architecture and their representation during the process of design. Students will carry out a series of exploratory design projects that use and develop skills and understanding in the 2D and 3D representation of form-making ideas, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of design-in-progress on the World Wide Web for an international audience. Project work is backed by seminars exploring theoretical concepts in contemporary design, representation and digital media. Projects and seminars may be adapted to suit individual student needs.

ARCHDM 7006

Architectural Design with Digital Media B

- 6 units - semester 1
- Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials
- Eligibility: Grad.Cert./Grad.Dip./M.Arch.(Dig. Media) students only
- Assumed Knowledge: experience & skills in using a 3D CAD tool
- Assessment: projects

The course focuses on the relation between digital models of architecture and buildings and their interpretation and behaviour in the physical world. Students will carry out one or more design projects that use software for visual and environmental analysis and simulation, and develop skills and understanding of these issues. Project work is backed by seminars exploring related theoretical concepts such as the interpretation of images and narratives, performance prediction, environmental simulation and sustainability. Projects and seminars may be adapted to suit individual student needs.

Art History

ARTH 5200

Studies in European Paintings Connoisseurship

- 6 units - not offered in 2005
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

This course will look critically at the development of connoisseurship in Europe, concentrating on the ideas and techniques of analysis and classification adopted by Leon Battista Alberti, Giorgio Vasari, Roger de Piles, William Hogarth, Jonathan Richardson, Giovanni Morelli, Heinrich Wolfflin, Max J. Friedlander, Bernard Berenson, Alois Riegl and Richard Offner. Students will be encouraged to exercise their own eye on as many original works of art as possible from the collection of the Art Gallery of South Australia.

ARTH 5201

Studies in Australian Colonial Art

- 6 units - not offered in 2005
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

The course examines the arts of colonial Australia from 1788 to 1901. It draws on the extensive collection of colonial works in the Gallery's collection, paying particular attention to early paintings and works on paper by John Lewin, Thomas Bock, John Glover, Eugene von Guerard, William Strutt, Alexander Schramm, S.T. Gill,

and others. Some attention will also be paid to the decorative arts of colonial Australia, and to the early history of photography. The representation of Indigenous Australians by colonial artists will also be discussed, as well as issues such as the role and function of art for developing colonies.

ARTH 5202
Studies in Asian Art

- 6 units - not offered in 2005
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

This course surveys the history of religious art in Asia over the past two millennia. The course focus will shift each year according to the current exhibition and display program of the Art Gallery of South Australia to variously include the art of Buddhist, Hindu and Jain traditions. The evolution of aesthesis and iconography in India and its wider influence in the rest of Asia and the context of the philosophy and practice of these religions will be explored and discussed.

ARTH 5203
Studies in Australian Art

- 6 units - trimester 2
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

The course focuses around the large collection of Australian art at the Art Gallery of South Australia. Discussion and analysis of the art will be in terms of the principal issues underpinning Australian art and recent re-readings of particular works. Topics to be explored include colonial art, later nineteenth-century nationalist and Federation art, the rise of modernism particularly among women artists, abstraction, minimalism, conceptualism, the emergence of Central and Western Desert painting and trends in contemporary Australian art.

ARTH 5204
Studies in European Art since the Renaissance

- 6 units - trimester 1
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

In 'hands-on' sessions in the Art Gallery and in lectures, the course focuses on the fascinating history of European Art from the early Renaissance through to the post impressionist era concentrating on the Gallery's collection of paintings, drawings, prints, sculpture and decorative arts. This course looks at the High Renaissance, Baroque and Mannerist art, Neo-Classical and Romantic art, Realist and Impressionist art and nineteenth century British art. The course also looks at recent theoretical approaches to Art History which affect the discourses of art.

ARTH 5206
Art Museum Internship

- 6 units - trimester 1, 2 or 3
- Eligibility: postgraduate Art History students
- Quota may apply
- Prerequisite: satisfactory completion of three ARTH courses

Interns will be exposed to a broad experience of the life of the Art Gallery of South Australia, or some other appropriate museum or organisation, working not only in the curatorial department but as far as possible in the areas of public programs, marketing and public relations, sponsorship and registration. The exact program will depend upon the time of year and the specific needs and commitments of the participating staff.

ARTH 5207
Curatorial Placement

- 6 units - trimester 1, 2 or 3
- Eligibility: postgraduate Art History students
- Quota may apply
- Prerequisite: satisfactory completion of three ARTH courses

Students will embark upon a minor writing, cataloguing, exhibition, display or other curatorial project to be proposed, developed and executed under the joint supervision of a nominated Gallery curator and the program coordinator. This project differs substantially from the internship in that it concentrates exclusively on curatorial and research work in an agreed area. Ideally, students working on this project would be able to participate in the preparation of a published exhibition or permanent collection catalogue.

ARTH 5208
Studies in Contemporary Art

- 6 units - trimester 2
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

The course looks at contemporary art as 'cutting edge' art, how its origins are to be found in modernist notions of the avant garde and on recent national and international developments including installation, new media, performance art, the resilience of painting and the place of Indigenous art in the contemporary scene and differing genres of arts writing. The course will focus around contemporary work in the collection of the Art Gallery of South Australia.

ARTH 5209
Studies in Australian Indigenous Art

- 6 units - trimester 3
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

The course explores the vast diversity of historical and contemporary Indigenous art practice, with a focus on several painting traditions including bark painting from various parts of Arnhem Land and the Kimberley, Central and Western Desert dot painting, and watercolours from Hermannsburg in Central Australia. Other aspects covered include Indigenous decorated and woven objects and contemporary urban Aboriginal prints and photographs. The course draws heavily on the comprehensive Indigenous collection of the Art Gallery of South Australia. Key anthropological, ethnographic and philosophical issues arising from the collecting and display of Indigenous art and objects in museums and galleries are also discussed.

ARTH 5210
Studies in British Art

- 6 units - not offered in 2005
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

This course focuses on the art of England, Scotland, Wales, Ireland and other parts of the British Isles from the reign of Henry VIII to the reign of Queen Victoria, concentrating on the rise of British portraiture in the era of the Flemish expatriate artist Anthony van Dyck; the invention of the Conversation Piece; the adaptation in Britain of the Classical landscape tradition, particularly by Richard Wilson and his followers; and the evolution of the Victorian art world through the mid to late nineteenth century.

ARTH 5211
Studies in Decorative Art

- 6 units - not offered in 2005
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

This course will focus on selected developments in British and Australian decorative arts. The implications of the term 'decorative' will be considered as well as the distinctive position of the decorative arts in the history of the modern museum. The British component of the course will focus on objects in the collection of the Art Gallery of South Australia that relate to William Morris and the Arts & Crafts Movement. The Australian component will cover all aspects of the decorative arts in Australia since European settlement.

ARTH 5212
Studies in Japanese Art

- 6 units - not offered in 2005
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

The course encompasses the history of Japanese Art and a study of its distinctive culture and aesthetics. It focuses around works in the collection of the Art Gallery of South Australia, including major works of sculpture, screen painting, wood-block prints, ceramics and metalwork including Shinto and Buddhist sculptures, ukiyo-e prints by Hiroshige, Hokusai and others, sword mounts of the Samurai and ceramics by Shoji Hamada and his circle. Attention will also be focused on issues surrounding the intersection between Japanese and Western Art and trends in modern and contemporary Japanese art.

ARTH 5213
Studies in South East Asian Art

- 6 units - trimester 3
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

This course surveys the development of Southeast Asian aesthetics with a focus on the ways that ceramics and textiles have articulated the region's cultural and spiritual identity. The growth of Vietnamese, Thai, and Cambodian ceramic production will be explored as will the role of high-fired pottery documenting social history and cultural exchange in Southeast Asia. The study in textiles concentrates mainly on Indonesia and East Timor where textile artists have transformed designs imported into the archipelago from India and China into a rich indigenous art tradition. The course draws on the Gallery's rich collection and may also include a field trip to Southeast Asia.

ARTH 5214
Studies in Modern Art

- 6 units - trimester 1
- 30 hours of Art Gallery sessions, lectures, tutorials
- Eligibility: postgraduate Art History students

This course focuses on the origins of modern art in Paris and London, the meaning of 'modern' art and on the main modern art movements of the twentieth century including dadaism and surrealism, cubism, expressionism, futurism, constructivism, abstraction, abstract expressionism and the moments of decline in modern art: minimalism and conceptualism. Attention will also focus on the shift from Paris to New York as the cultural centre and how modern art was taken up in Australia. Much of the course will be shaped around works in the collection of the Art Gallery of South Australia.

ARTH 5520
Research Project in Art History F/T

- 12 units - semester 1 or 2
- Eligibility: M.A.(Art History) students
- Assessment: dissertation/report up to 18000 words or equivalent

The dissertation/exhibition project must be up to 18 000 words in length, or equivalent. It can be a thesis by research or a project. A project might take the form of working to a brief negotiated jointly with the program coordinator and the Gallery. For example, it might

comprise the work required to mount an exhibition, prepare a catalogue, feature a particular part of the collection or research work in the Art Gallery's collection. Depending on the proposed area of interest, one or two supervisors may be allocated to supervise the dissertation (by thesis or project) and they may be from the University, the Gallery or both. There may be instances where an outside supervisor is co-opted.

ARTH 5521A/B

Research Project in Art History P/T

- 12 units - full year
- Eligibility: M.A.(Art History) students
- Assessment: dissertation/report up to 18000 words or equivalent

The dissertation/exhibition project must be up to 18000 words in length, or equivalent. It can be a thesis by research or a project. A project might take the form of working to a brief negotiated jointly with the program coordinator and the Gallery. For example, it might comprise the work required to mount an exhibition, prepare a catalogue, feature a particular part of the collection or research work in the Art Gallery's collection. Depending on the proposed area of interest, one or two supervisors may be allocated to supervise the dissertation (by thesis or project) and they may be from the University, the Gallery or both. There may be instances where an outside supervisor is co-opted.

Biometry

BIOMET 7000WT

Research Methodology and Experimentation

- 3 units - mid year break
- 3 lectures, 3 hour tutorial per week, or 9-5 Mon - Fri/two weeks inclusive
- Prerequisite: degree in Agricultural Science or Science
- Assumed Knowledge: first program in Biometry or Introductory Statistics
- Assessment: written assignment, final written exam

The Statistical Package GENSTAT 5 for Windows is introduced and utilised extensively throughout the course. Revision of basic regression and analysis of variance methodology. A selection of topics from the following: extension of regression (both linear and non linear); design and analysis of complicated multi-factor experiments; Latin squares; analysis of covariance; generalised linear models (including probit analysis and logistic regression); multiple comparisons.

As part of the course a selection of case studies will be discussed to illustrate the important steps involved during a research program (ie development of aims, setting of hypotheses, design of the experiment, collection of data, analysis and interpretation of results).

BIOMET 7001WT

Advanced Biometry

- 3 units - semester 2
- Even years only
- 3 lectures, two hour tutorial per week, computer exercises
- Prerequisite: BIOMET 3000WT Agricultural Experimentation.
- Assessment: individual assignment 30%, class exercises 10%, final exam 60%

A selection of topics from the following: fractional replication; confounding; incomplete block designs; spatial analysis of large field trials; components of variance models; genotype x environment analysis (joint regression analysis and cluster analysis); multivariate analysis (principal components, factor analysis, Hotellings T2 and the linear discriminant function); harmonic regression and transformations; design and analysis of repeat measures data; non-linear regression; epidemiological methods (logistic regression). As well as Genstat for Windows, the statistical packages SAS, REML and S-PLUS may be utilised.

Commerce

COMMERCE 7002NA

Accounting Info for Financial Decision Making

- 3 units
- Assessment: exam, written assignments, case study analysis, group or individual projects

This module focuses on the analysis of financial statements to reveal the operating performance and the financial condition of a company, its prospects and its underlying value. It examines the impact of alternative accounting procedures and assumptions on the published financial statements of a company. It offers ways to adjust for accounting differences and discusses the financial performance from the cross-sectional and time series perspectives. In addition, students learn how to construct and interpret projected statements of income, financial position and cash flows. In the process, the student should arrive at and be able to defend an investment decision and the corresponding terms. Cases used in the course will be drawn largely from Asia-Pacific countries.

COMMERCE 7003NA

Financial Quantitative Procedures

- 3 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

The purpose of this course is to provide the students with basic mathematical and statistical concepts to analyse, value, and manage investment portfolios. Students are also exposed to more advanced topics of data analysis. Emphasis is placed on the

extensive use of computer statistical packages e.g. SAS, SPSS, to perform data analysis. Students are expected to have hands-on experience in application of quantitative methods to problems of investment.

COMMERCE 7005

COMMERCE 7005NA

Principles of Finance

- 3 units
- Assessment: exam, written assignments, case study analyses, group or individual projects as determined at first class

Risk and return are key concepts in investment. This module discusses the measurement of risk and return. The relationship between risk and return is examined through the various methods of valuation and asset pricing models. Capital budgeting techniques, cost of capital and issues of capital structure are also covered as these enable the student to assess the investment plans of companies.

COMMERCE 7006NA

Equity

- 4 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

This module enables the student to analyse stocks from a fundamental perspective. After completing the module, the student should be able to derive an intrinsic value for a stock. The student should also be able to discuss the qualitative factors like the strengths and weaknesses and the competitive environment in which the company operates. Special situations like corporate restructuring or mergers and acquisitions are discussed. As many companies are not publicly listed, the valuation of such companies as well as the role of venture capital need to be examined. This module also provides an overview of the equity market and discusses alternative trading methods.

COMMERCE 7007NA

Fixed Income Securities

- 4 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

This module covers the valuation of fixed-income securities. As the pricing of bonds depend on interest rate changes, the term structure of interest rates is examined. The varieties of debt instruments are discussed as well as the different types of risk, e.g. default and country risk. Immunisation strategies are also analysed. Institutional aspects of the fixed income market like credit ratings are also covered.

COMMERCE 7008NA

Futures, Options and Swaps

- 4 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

This module introduces students to derivative instruments and the markets they trade in. The student will also learn how these instruments are priced and used for both speculation and hedging. In particular, the use of derivatives to limit risk exposure will be examined in depth.

COMMERCE 7009NA

Corporate Finance Theory

- 4 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

This course will focus on the investment and financing decisions and policies of corporations. There will be a focus on theory, and it emphasises skills in developing economic explanations for financial phenomena. Additionally, the course will aim to provide some opportunities for the practical implementation of the main concepts covered.

COMMERCE 7010NA

Portfolio Management

- 4 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

Portfolio management begins with management objectives. This is followed by the construction of the appropriate portfolio to reflect those objectives. A key issue in portfolio management is the asset allocation problem. Further, the relative merits and value of the various investment styles and strategies are also discussed. As the market or other circumstances change there is a need to monitor and rebalance the portfolio. Another aspect of portfolio management is the managing of portfolio risk. Various approaches to solve this problem are considered including the use of derivatives. As the computer is used extensively in portfolio management, the use of IT is also included.

COMMERCE 7011NA

Financial Modelling

- 4 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

This module looks at discrete time financial modelling of various financial assets, interest rates, exchange rates, using binominal models, and to present the modern theory of contingent claim pricing in these markets. Objectives: At the end of this course,

students should understand basic financial market concepts, futures, forwards, options how to construct binominal tree models and their calibaration and how to price a wide variety of contingent claims, using principles of non-arbitrage.

COMMERCE 7012NA

Treasury Management

- 4 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

This module covers the corporate treasury function. Essentially, the focus is on the corporate exposure to risk and appropriate ways to manage it. How the risk can be identified and measured will be discussed. Risk is defined broadly and includes liquidity, interest rate and foreign currency exposure. Tools to manage the treasury systems and controls and financial engineering.

COMMERCE 7013NA

Financial Statement Analysis

- 4 units
- Assessment: exam, written assignments, case study analyses, group or individual projects

This module comprises Singaporean, Asian and international case studies based on listed companies in various industries. The cases require participants to analyse and interpret financial and non-financial information from the perspectives of investment and credit analysts. In the process, participants learn how to construct and interpret projected statements of income, financial positions and cash flows.

COMMERCE 7033

Quantitative Methods (M)

- 3 units - semester 1 & 2
- 3 hour seminar per week
- Assessment: assignments & exam as determined at first class

The course will examine quantitative analysis approaches essential for both academic and applied research with an emphasis on what procedures are most useful. Topics: revision of principles, characteristics of data and its collection, hypothesis testing with well behaved variables, financial econometrics, heteroscedasticity, autocorrelation, multi-collinearity, simultaneous equation (or system) solution, time series modelling and co-integration, logit and probit, non-linear regression, other approaches to developing models, hypothesis testing when variables are not well behaved.

COMMERCE 7034

Project Management (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at specialisation level
- Assessment: assignments & exam as determined at first class

The objective of the course is to help students understand the development and management of the phases of limited-life commercial projects (such as staging of events, campaigns and emergency operations) using a multi-disciplinary project team approach. Topics: project management life-cycle, project team's role, project scope planning, planning and sequencing project activities, project cost baseline creation, learning curve cost estimates, procurement management assessment, budgeting and monitoring, project funding requirements, venture capital, financial risk assessment, evaluation of markets and targeting opportunities, promotion strategies and public relations tools.

COMMERCE 7035

Contemporary Issues in Commerce (M)

- 3 units - not offered in 2005
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at specialisation level
- Assessment: assignments as determined at first class

The course critically evaluates the contribution of a stream of study to the broader discipline of accounting, finance or marketing. Topics: choosing a contemporary research topic or issue, searching the focal literature, and critically reviewing a selected body of literature by analysing and comparing the articles' objectives, motivation, theory development, choice of methods, adequacy of evidence and arguments in supporting conclusions.

COMMERCE 7036

Knowledge Management & Measurement (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at specialisation level
- Assessment: assignments & exam as determined at first class

The course explores the emerging art and science of managing knowledge and measuring intellectual capital in modern organisations. Topics: the parameters of knowledge management, the knowledge-based economy, paradigms and principles for knowledge management, implementation and electronic tools for knowledge management, knowledge measurement and valuation.

COMMERCE 7037

Research Methodology in Commerce (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at specialisation level
- Assessment: assignments & exam as determined at first class

The course introduces a range of concepts, methods and skills which are used in scholarly and professional research in commerce. Topics: research and theory, method and methodology, deductive empirical research, inductive qualitative research, variables and their measurement, field surveys, experimental design, case studies and interviews, secondary data content analysis, action research, literature reviews, ethics in research.

Commercial Law

COMMLAW 7011

Corporate Law (M)

- 3 units - semesters 1 & 2
- 3 hour seminar per week
- Assumed Knowledge: ACCTING 7012 Commercial Law and Accounting Regulation (M)
- Assessment: assignments & exam as determined at first class

The course will help students understand the laws relating to business structures including sole traders, partnerships, joint ventures and trusts. Topics: constitutional background and history of companies legislation, the concept of corporate personality, distinguishing features of different types of companies, authority of agents to bind the company, pre-registration contracts, company capital, management of the company, company financial reporting, auditors and directors duties, members' rights, voluntary administration, receivers, and winding up of companies.

COMMLAW 7013

Income Taxation (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: COMMLAW 7011 Corporate Law (M)
- Assessment: assignments & exam as determined at first class

The objective of the course is to help students understand the fundamental concepts of income tax law. Topics: jurisdiction to tax, assessable income, including capital gains and losses, non-assessable income, deductions, tax accounting, tax entities, anti-avoidance, and tax administration.

COMMLAW 7016

Business Taxation & GST (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: COMMLAW 7013 Income Taxation (M)
- Assessment: assignments & exam as determined at first class

The objective of the course is to help students understand the law and application of key types of business tax and the goods and services tax. Topics: Introduction to Business Taxes, including review of taxation of business income and review of business tax reforms; Business Tax Entity Issues, including taxation of entity distributions, treatment of losses and entity consolidations; Capital Gains Tax Special Topics, including business roll-over relief and Small Business concessions; Goods and Services Tax and business activity statements; Remuneration Taxes, including fringe benefits tax and superannuation guarantee charge; State Business Taxes, including payroll tax and stamp duties; Tax Planning, including issues on acquisition and disposal of a business, remuneration planning and retirement planning.

Computer Science

COMP SCI 7004

Advanced Operating Systems A

- 3 units - semester 2
- Assessment: 3 hour exam, large assignment

The aim of the course is to introduce the concepts, theory and formal notations, and tools which are necessary to understand, analyse and design concurrent and distributed systems. Firstly, the model checking approach is introduced where an automaton model of the system is developed and properties to be checked are specified in temporal logic. Secondly, the formal theory of Communicating Sequential Processes (CSP) is presented and used as a descriptive and reasoning tool. Concepts, such as behaviour, complete and partial specifications, design, design refinement, safety and liveness properties, as well as proof of correctness are then defined in a rigorous manner.

Several case studies, such as communication protocols, message passing networks, and distributed databases, will be used to illustrate the concepts covered in the course. A set of simulation, analysis, and formal verification tools, the model-checking tool SPIN, the CSP based tools ARC and FDR are introduced and applied in practice. These tools are widely used in the concurrent, safety critical, protocol system, and telecommunications domains.

COMP SCI 7006

Programming Techniques

- 3 units - semester 1
- 2 lectures, 4 hours practical work a week
- May be available for Non-Award study - please contact School

- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div.1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2004 Data Structures and Algorithms
- Restriction: cannot be counted with 1006 Programming and Data Structures B
- Assessment: written exam, compulsory projects

Program development: methods of specification, design, implementations, testing and debugging, case studies, design patterns, Graphs: construction, traversal, topological sorting, application. Sorting and searching: internal and external algorithms, correctness and complexity analysis.

COMP SCI 7009
Advanced Artificial Intelligence B

3 units - semester 2

The course will cover problem-solving methods, in particular those arising out of evolutionary computing of value in solving ubiquitous optimisation problems (e.g. travelling salesman type problems). AI Search methods. Hill-climbing. Simulated Annealing & Tabu search. Evolution Programming. Handling constrained problems. Parameter control in Evolution Methods. Genetic Algorithms, mutation, crossover. Aspects of Neural Networks and Fuzzy Systems.

COMP SCI 7011
Master Project B

COMP SCI 7013
Master Project E

COMP SCI 7019
Master Project C

COMP SCI 7025
Master Project D

COMP SCI 7052
Master Project H

COMP SCI 7056
Master Project A

COMP SCI 7060
Master Project F

COMP SCI 7063
Master Project G

- Assessment: the following factors will be taken into account - survey of research material, thesis. seminar, project, programming, conceptual understanding

A student undertaking the project component of Master of Computer Science will enrol in 5 or 6 individual Master Project subjects over 2 consecutive semesters. The number of subjects reflects the scope of the project. The project will be assessed as a single entity – the student receiving this mark for all the Master Project subjects they are enrolled in.

The project will consist of an investigation in an area of Computer Science. Projects are supervised by one or more members of the lecturing staff, sometimes in association with one of the School's research groups.

COMP SCI 7015
Software Engineering and Project

- 3 units - semester 2
- 2 lectures, 4 hours practical work a week, weekly project meeting
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 3002 Programming Techniques, COMP SCI 2004 Data Structures and Algorithms
- Assessment: written exam, compulsory group project

This course in software engineering provides an introduction to the production of high quality software solutions to large tasks. Among the topics covered in this course are the following: models of the software life-cycle, requirements analysis and specification, program design techniques and paradigms, software specification techniques, configuration management and version control, quality assurance, integration and testing, project management, risk analysis, case study of ethical considerations in Software Engineering.

COMP SCI 7017
Systems Analysis and Project

- 3 units - not offered in 2005
- 2 lectures, 4 hours practical work per week, tutorial/ homework exercises every 3 weeks
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2004 Data Structures and Algorithms
- Restriction: cannot be counted with 1116 Systems Analysis
- Assessment: written exam, compulsory project

Systems Analysis concerns designing computer systems that are useful and productive and satisfy the needs of users who are not

computer literate. The course covers the following topics: applying psychological principles to the design of user interfaces, menus and dialogs; using discounted cash flow techniques to test whether a project is financially viable; designing databases that best model real world situations; modelling real world events as database transactions and histories; using design methodologies to decompose large systems into simple parts; techniques for making design decisions that optimise system performance.

The course includes a project, which is to build a prototype database and user interface, starting from informal specification by a client.

COMP SCI 7022

Advanced Artificial Intelligence A

- 3 units - semester 1
- Assumed Knowledge: first year mathematics

Over the last 30 years, researchers in artificial intelligence have endeavoured to develop computers with the capacity to "see" the world around them. Applications in the area include: acquiring 3D models for animation and movies; security; the automated processing of aerial and medical imagery; enhancing the visual capability of robots; improving our understanding of human visual processing. This course aims to convey the nature of some of the fundamental problems in vision, and to explain a variety of techniques used to overcome them. Emphasis is placed o n aspects of 3-D vision and the gaining of practical experience in image-processing via a TV-camera facilities. Various vision problems are considered, including: the detection of edges in intensity image arrays, and the accumulation of edge data to form lines; the use of a stereo image pair to derive 3D surface information; the exploitation of image shading (or intensity variation) to obtain surface normal data; motion detection in video images; forming image mosaics; tracking objects in video; Marr's theory as a framework for visual information processing; object recognition. Several assignments enable the student to gain practical experience in aspects of the above.

COMP SCI 7023

Advanced Software Engineering C

- 3 units - semester 1
- 20 lecture hours, approx.5 hours of practical work per week
- Assessment: programming assignments, report writing, final essay

The course introduces students to elements of the Software Engineering Institute's Personal Software Process, PSP. The PSP is introduced in increasing levels of sophistication with the essential elements illustrated by programming assignments and report writing.

COMP SCI 7026

Computer Architecture

- 3 units - semester 1
- 2 lectures, 4 hours practical work a week, tutorial/ homework exercises every 3 weeks
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2000 Computer Systems and COMP SCI 6005 Data Structures and Algorithms
- Assessment: written exam, compulsory projects

Fundamentals of computer design; quantifying cost and performance; instruction set architecture; program behaviour and measurement of instruction set use; processor datapaths and control; pipelining, handling pipeline hazards; memory hierarchies and performance; I/O devices, controllers and drivers; I/O and system performance.

COMP SCI 7031

Advanced Programming Paradigms

- 3 units - semester 1
- 2 lectures, 4 hours practical work a week, tutorial/ homework exercises every 3 weeks
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2004 Data Structures and Algorithms, and COMP SCI 2001 Programming Paradigms
- Assessment: written exam, compulsory projects

A selection of topics from the following: advanced functional programming: polymorphic recursive functions; higher-order functions; software prototyping; programming in Scheme (a dialect of Lisp); streams and networks of processes; lazy and strict evaluation; coroutines in functional and imperative paradigms. Parallelism and concurrency. Object Oriented parallel and concurrent programming in Java. Issues of mutual exclusion and liveness; communication using message passing and shared memory, and data parallelism. An introduction to grid computing.

COMP SCI 7035

Advanced Programming Languages B

- 3 units - semester 2

Light and the human visual system. Colour. Images, quantisation and sampling. Image manipulations. Raster graphics. Coordinate systems and transformations. The viewing frustum. The graphics

pipeline and toolkits. Clipping and culling. Visibility. Lighting and shadows. Transparency and blending. Texture mapping. Local shading models. Environment mapping techniques. Multi-pass rendering. Modelling techniques – parametric and hierarchical surfaces. Level of detail. Raytracing. Animation. Particles. Implementation Efficiency.

COMP SCI 7036

Advanced Software Engineering D

- 3 units - semester 2
- Assumed Knowledge: COMP SCI 3006 Software Engineering and Project or equivalent.
- Assessment: reports, essays

In this course software engineering practitioners will lecture on how software engineering methodologies are implemented in their industry. Lectures will be accompanied by site visits where students will gain a better understanding of the sort of products produced and the challenges involved in producing these products. There will also be an opportunity to talk with members of actual development teams who are responsible for particular software engineering related roles.

Lecturers have been chosen to represent a diverse range of industries, e.g.: Defence infrastructure and deployable systems, Computer games, Telecommunications, Embedded Systems, Commercial applications.

COMP SCI 7037

Advanced Programming Languages A

- 3 units - semester 1

The course attempts to bring an overview of the way new concepts have influenced programming language design and how in turn, the application of new languages has influenced the task of program design. The course pays particular attention to ways in which higher-level concepts such as concurrency, distribution, inter-process communications and synchronisation have evolved and been introduced into programming languages.

COMP SCI 7039

Computer Networks and Applications

- 3 units - semester 2
- 2 lectures, 4 hours of practical work a week
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div I) or COMP SCI 7080 Computer Science Concepts or pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assessment: written exam, compulsory projects

Introduction to networks and digital communications with a focus on Internet protocols: Network layer model, Internet application protocols, UDP, TCP (reliable transport, congestion and flow control), IP (routing, addressing), Data Link layer operation (Ethernet, 802.11), physical transmission media, selected current topics such as: security, multimedia protocols, Quality of Service, mobility, emerging protocols (IPv6).

COMP SCI 7041

Compiler Construction and Project

- 3 units - semester 1
- 2 lectures, 4 hours practical work a week
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science I (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2000 Computer Systems, COMP SCI 2004 Data Structures and Algorithms, COMP SCI 2001 Programming Paradigms and COMP SCI 3002 Programming Techniques
- Assessment: written exam, compulsory project

The structure of compilers: lexical analysis, syntax analysis (top-down and bottom-up techniques), environmental handling, the handling of context-sensitive and context-free errors, type checking and code generation. BNF languages and grammars. This course is closely coupled with the writing of a large, compulsory programming project

COMP SCI 7044

Advanced Operating Systems B

- 3 units - semester 1

This course provides an introduction to computer system security at all levels. The course includes: computer security models, hardware systems, operating system mechanisms and policy, network security, and application security. The course will also cover some of the current security threats.

Introduction to Computer Security: Threats, vulnerabilities, controls; risk; cost; method, opportunity, motive; technical, administrative, physical controls; prevention, detection, deterrence. Basic cryptography terms, symmetric and asymmetric cyphers; Cryptographic protocols: digital signatures, key exchange, certificates, cryptographic hash functions. Security Models : Introduction to Military Security; Bell La Padula models, BIPA. Security in programs: Flaws - Malicious code: viruses, Trojan horses, worms; Program flaws: buffer overflows, time-of-check to time-of-use flaws, incomplete mediation. Defenses - Software development controls,Testing techniques. Security in Operating Systems : Memory, time, file, object protection requirements and techniques; Protection in contemporary operating systems. Identification and authentication : Identification goals; Authentication requirements; human authentication, machine

authentication, authentication technologies. Trusted operating systems : Assurance; trust; Design principles; Evaluation criteria; Evaluation process. Network security: Threats - Network technology; eavesdropping, spoofing, modification, denial of service attacks. Controls - architectural controls ; cryptographic controls; technological controls; administrative and physical controls; overlapping controls. Technologies - Firewalls; Intrusion detection systems; Monitoring systems; Virtual private networking; Remote authentication systems. Management of security: Security policies; Risk analysis; Physical threats and controls.

COMP SCI 7045
Advanced Operating Systems D

- 3 units - semester 2
- Assumed Knowledge: at least one of C, Fortran or Java, & code presented in any of these languages; Advanced Parallel Programming Open Systems and Client Server Computing

The course gives an overview of current technologies for programming and using distributed high-performance computing systems. The course provides material in parallel computing, cluster computing, distributed computing and grid computing technologies, including an introduction to web services and grid services. Some background is given on architectures for high performance computing, but the emphasis is on what the software developer needs to know to exploit high performance distributed computing architectures. The course has a strongly applied outlook.

COMP SCI 7049A/B
Software Engineering Project

- 9 units - full year
- 175 hours practical work
- Assessment: software developed, written report

To give students experience in the development of a large piece of software. The project involves the students solving a problem. They are expected to show independence, initiative and research skills. Writing skills are also examined through the writing of a detailed report. Projects are determined in consultation with a supervisor. This course is equivalent to the project that is undertaken as part of the honours degree in Computer Science.

COMP SCI 7050
Parallel Computation

- 3 units - not offered in 2005

We will briefly examine some common parallel machine architectures, with emphasis on the CM-5. We will look briefly at fundamental primitives for explicit expression of parallelism, and languages which use them. We also consider data parallel programming, using CM-5 programs (probably in FORTRAN) as examples. We will concentrate on techniques for implicit expression of parallelism, using the dataflow model of computation and functional languages such as SISAL and Id, and consider the advantages (such as a higher level of abstraction and easy analysis of data dependencies) and disadvantages (such as necessity for copy avoidance) of such languages. Other aspects of parallel programming, such as performance measurement, visualisation and resource management, will be considered. Type inference in functional languages will also be studied.

COMP SCI 7053
Advanced Operating Systems C

- 3 units - semester 1
- Assumed Knowledge: computer networks, program design, basic knowledge of Operating Systems

The course breaks down into 4 major sections. The first part describes the provision and implementation of concurrent actions through operating systems processes, threads and language systems. The course then explores how a group of related actions can work in isolation from or co-operation with other actions. A study of transactions, persistence and recovery is investigated completing with detailed case studies of a number of operating systems.

COMP SCI 7055
Numerical Analysis

- 3 units - not offered in 2005
- 2 lectures, 4 hours practical work a week, tutorial/ homework exercises every 3 weeks
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2003 Numerical Methods
- Assessment: written exam, compulsory projects

This course deals with practical numerical computing techniques for solving problems that typically arise in computer applications, science and engineering. The emphasis is on practical methods and the issues that arise from them with reference to the principles for the engineering of numerical software. Students will learn to use the package Matlab which is used extensively in the course. The symbolic package Maple may also be used, but to a lesser extent. Topics include: condition and stability, analysis of algorithms, solution of linear systems of equations, the singular value decomposition in least squares data fitting and image compression, solution of systems of non-linear equations. Students will be required to undertake a programming project which develops a suite of methods applicable to the numerical solution of scientific problems.

COMP SCI 7059

Artificial Intelligence

- 3 units - semester 1
- 2 lectures, 4 hours practical work a week
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 6003 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2004 Data Structures and Algorithms
- Assessment: written exam, compulsory projects

AI methodology and fundamentals: philosophy of AI, representation techniques, goal reduction. Search techniques: hill-climbing, beam, best-first, A*, game playing techniques with minimax and alpha-beta pruning. Learning: Winston's methods, neural networks. Rule based systems; forward and backward chaining methods. AI systems: ANALOGY, MYCIN, GPS, Xcon. Fuzzy systems. Computer vision, evolutionary algorithms: genetic algorithms, evolution strategies, genetic programming.

COMP SCI 7064

Operating Systems

- 3 units - semester 2
- 2 lectures, 4 hours practical work a week, tutorial/ homework exercises every 3 weeks
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2000 Computer Systems and COMP SCI 2004 Data Structures and Algorithms
- Assessment: written exam, compulsory projects

OS purposes: resource management and the extended virtual computer; historical development. Processes: critical sections and mutual exclusion, semaphores, monitors, classical problems, deadlock; process scheduling. Input and Output: hardware and software control. Memory management: multi-programming; swapping; virtual memory, paging and symbolic segmentation; File System: operations, implementation, performance. Protection mechanisms: protection domains, access lists, capability systems, principle of minimum privilege. Distributed systems: communication, RPC, synchronisation, distributed file systems, authentication.

COMP SCI 7065A/B

Software Development Studio

- 6 units - full year
- Project based
- Prerequisite: 6263 Software Engineering and Project
- Assessment: performance & quality of delivered materials (software & documentation) in project as determined by academic staff, peers in the team they managed & their employer

To give the student experience in the management of an industrial project on the premises of an employer (either the student's employer, or a company which sponsors the student). It is the industry based equivalent of the course Software Management Project. The Studio provides an opportunity for students to apply the knowledge and skills gained in other programs as they synthesise a solution to a significant, realistic, and practical problem. Students work in teams to analyse the problem, plan a software development project, and implement a solution. After delivering a product, students evaluate the efficacy of their solution as used by customers. The work for the Studio is typically done for an outside customer who might well be the student's employer. The Studio teams work closely with staff (academic or industry) mentors during all phases of the project and periodically make presentations about the technical work and process issues. These presentations are attended by customers, academic staff, industry participants and other experts. Students are encouraged to gain knowledge about how they solve software problems through the application of 'reflective practice' in which students not only do the work, but assist in managing the process and analyse how it was done.

COMP SCI 7074

Software Management Project

- 3 units - semester 2
- Project based
- Prerequisite: 3006 Software Engineering and Project
- Assessment: documentation submitted, peer review from undergraduate students in the team

To give the students experience with managing the software process and a group of people building a software product. Students are required to go through the process of preparing a bid for a contract and developing appropriate documentation which may be required by the management of the company or through legal requirements, as well as documentation to accompany the delivered software. Cost accounting techniques are employed to track the development of the software and to identify the real cost of developing the software.

COMP SCI 7075

Knowledge Representation

- 3 units - not offered in 2005
- 2 lectures, 4 hours practical work a week, tutorial/ homework exercises every 3 weeks
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science B (Pass Div.1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2004 Data Structures and Algorithms
- Assessment: written exam, compulsory projects

Intelligent Agents: agents that reason logically, knowledge acquisition, agents that use statistics, Bayesian networks, fuzzy logic; Expert Systems: rule-based systems, conflict resolution, explanations; Knowledge Representation: frames, predicate logic, inheritance, semantic nets, belief maintenance.

COMP SCI 7076

Distributed Systems

- 3 units - semester 2
- 2 lectures, 4 hours practical per week, tutorial/homework exercises every 3 weeks
- May be available for Non-Award study - please contact School
- Eligibility: not available to students in B.Ma.& Comp.Sc.
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2000 Computer Systems, COMP SCI 2004 Data Structures and Algorithms, COMP SCI 3001 Computer Networks and Applications; exposure to SQL programming as in COMP SCI 2002 Database and Information Systems
- Restriction: cannot be counted with 7076 Open Systems and Client/Server Computing
- Assessment: written exam, compulsory projects

A selection of topics from the following: the challenges faced in constructing client/server software: partial system failures, multiple address spaces, absence of a single clock, latency of communication, heterogeneity, absence of a trusted operating system, system management, binding and naming. Techniques for meeting these challenges: RPC and middleware, naming and directory services, distributed transaction processing, 'thin' clients, data replication, cryptographic security, mobile code. Introduction to Java RMI.

COMP SCI 7077

System Modelling & Simulation

- 3 units - semester 1
- Assessment: assignments 20%, written examination 80%

This course concerns techniques for the modelling and simulation of complex systems using a variety of methods and software tools.

In this course students are introduced to the packages Matlab and Simulink and are taken through a study of the techniques used in these and other sophisticated modelling packages to solve common engineering problems.

The Matlab programming language is used extensively and students learn to program their own solutions for these problems. In addition to studying the equations for these models and their solutions, students study the stability, accuracy and reliability of the solution methods.

COMP SCI 7080

Computer Science Concepts

- 3 units - summer semester, mid-June
- summer semester course commences in late January
- Eligibility: approved students only
- Assessment: written exam; compulsory projects

Programming in Java: variables, control structures, methods, classes, input/output; object orientation, interfaces, inheritance; introduction to graphical user interfaces. Introduction to computer systems, system software and basic Unix.

COMP SCI 7081

Computer Systems

- 3 units - semester 2
- 2 lectures, 4 hours practical work a week, 1 tutorial a fortnight
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: mathematics as in MATHS 1011/1012 Mathematics IA/IB or MATHS 1000A/B Mathematics IM or MATHS 1008 Mathematics for Information Technology I
- Assessment: written exam, compulsory projects

Instruction sets, assembler programming calling mechanisms, linking/loading, CPU organisation, memory hierarchy, input/output devices, controllers and drivers.

COMP SCI 7082

Data Structures and Algorithms

- 3 units - semester 1 or 2
- 2 lectures, 4 hours practical work a week; 1 tutorial a fortnight
- May be available for Non-Award study - please contact School
- Prerequisite: COM P SCI 1009 Computer Science IB (Pass Div I) or Pass in COMP SCI 7080 Computer Science Concepts; or Pass in both COMP SCI 1000 Engineering Programming IE and ELEC ENG 1004 Logic Design
- Assumed Knowledge: mathematics as in MATHS 1011/1012 Mathematics IA/IB, MATHS 1000A/B Mathematics IM or MATHS 1008 Mathematics for Information Technology I
- Assessment: written exam, compulsory projects

Program development techniques including basic ideas of correctness; representation of lists, stacks, queues, sets, hash and tree tables. Notions of complexity and analysis; notion of abstract data type; sets and sequences as examples; searching and information retrieval illustrated with a 'table' abstract data type; various representations of a 'table' abstract data type; recursion.

COMP SCI 7083

Database and Information Systems

- 3 units - semester 1
- 2 lectures, 4 hours practical work a week, 1 tutorial a fortnight
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts; or Pass in both COMP SCI 1000 Engineering Programming IE and ELEC ENG 1004 Logic Design or, for B.Inf.Sc. students only, 1073 Programming and Applications I
- Assumed Knowledge: mathematics as in MATHS 1011/1012 Mathematics IA/IB, MATHS 1000A/B Mathematics IM or MATHS 1008 Mathematics for Information Technology I
- Restriction: cannot be counted with previously offered Databases and Information Systems
- Assessment: written exam, compulsory projects

Characteristics of secondary storage media, Database algorithms for projection, selection, join, union, intersection, difference updating and grouping illustrated in Cobol. The use of SQL to create query databases. Implementation issues. Integrity and security of data, professional practice.

COMP SCI 7084

Introduction to Software Engineering

- 3 units - semester 2
- 2 lectures, 4 hours practical work a week; 1 tutorial a fortnight
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div I) or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2004 Data Structures and Algorithms; Mathematics such as in MATHS 1011/1012 Mathematics IA/IB or MATHS 1000A/B Mathematics IM or MATHS 1008 Mathematics for Information Technology I
- Assessment: written exam, compulsory projects

Design: software design, UML notation, static models - identifying classes and associations, dynamic models - identifying states, events, transitions, use cases, mapping designs into code. Specification: the scope, role and styles of software specification. Testing: modes of testing, organising test suites. Human issues: managing object-oriented projects, ethics, professional practice.

COMP SCI 7085

Numerical Methods

- 3 units - semester 1
- 2 lectures, 4 hours of practical work a week; 1 tutorial a fortnight
- May be available for Non-Award study - please contact School
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div I), or 7780 Computational Methods I (Pass Div I), or Pass in COMP SCI 7080 Computer Science Concepts; or Pass in both COMP SCI 1000 Engineering Programming IE and ELEC ENG 1004 Logic Design
- Assumed Knowledge: MATHS 1011/1012 Mathematics IA/IB or MATHS 1000A/B Mathematics IM
- Assessment: written exam, compulsory projects

Floating point numbers; representation, subtractive cancellation, machine epsilon. Solution of non-linear equations by fixed point iteration methods. Interpolation and least squares, approximation of functions by polynomial and spline functions. Methods of numerical integration: simple and composite rules. Numerical solution of differential equations.

COMP SCI 7088

Systems Programming in C and C++

- 3 units - semester 2
- 2 lectures, 4 hours practical per week, 1 tutorial per fortnight
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div I) or Pass in COMP SCI 7080 Computer Science Concepts; or Pass in both COMP SCI 1000 Engineering Programming IE and ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2004 Data Structures and Algorithms
- Assessment: written exam, compulsory projects

Introduction to C; syntax of functions and basic structure, keywords, expressions. Variables; scoping and lifetime, structures, arrays and pointers. Run time stack; function invocation, parameter

passing, passing arrays. Memory; segmentation, dynamic allocation, leaks and buffer over-runs. Compilation process; preprocessor, compiling object code, static and dynamic linking. File I/O; streams, reading and writing files. UNIX tools; design philosophy, combining programs using pipes and I/O redirection. Profiling tools, binary tools, debugging. Basic shell scripting. Build tools. Compiler flags.

C++; class syntax, C++ object model, inheritance, virtual and pure virtual functions. Copy and assignment semantics and their consequences. Overloading operators. I/O using the C++ STL. Templates; syntax, use with the STL, default types, run time performance.

COMP SCI 7089

Event-Driven Computing

- 3 units - semester 2
- 2 lectures, 4 hours practical per week
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: COMP SCI 2004 Data Structures and Algorithms, COMP SCI 2006 Introduction to Software Engineering
- Assessment: written exam, compulsory projects

Event driven paradigm: Finite State Automata, their behaviour, synchronisation, correspondence with regular expressions. Manifestation as Statecharts, Petri Nets, handling concurrency, differences. Environments and their expected behaviour, state space coverage and relation to testing. Examples of embedded systems. Building Graphical User Interfaces: Model-View-Controller paradigm. Design Patterns for managing complexity. Building GUIs in Java with the Swing library. Contrast with other GUI toolkits. Ease of use and HCI issues.

Practical project to cover both the use of FSA for control logic and for GUI design.

COMP SCI 7090

Computer Graphics

- 3 units - offered in 2006
- 2 lectures, 4 hours practical per week
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 7080 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed Knowledge: PURE MTH 2000 Discrete Mathematics II or MATHS 1012 Mathematics IB, COMP SCI 2005 Systems Programming in C and C++
- Assessment: written exam, compulsory projects

Light and the human visual system. Colour. Images, quantisation and sampling. Image manipulations. Raster graphics. Coordinate systems and transformations. The viewing frustum. The graphics pipeline and toolkits. Clipping and culling. Visibility. Lighting and shadows. Transparency and blending. Texture mapping. Local shading models. Environment mapping techniques. Multi-pass rendering. Modelling techniques – parametric and hierarchical surfaces. Level of detail. Raytracing. Animation. Particles. Implementation Efficiency.

Corporate Finance

CORPFIN 7019

Portfolio Theory & Management (M)

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: COMMERCE 7005 Principles of Finance
- Assessment: assignments & exam as determined at first class

This course identifies investments that are available and those mandated in the context of managed funds, and to apply CAPM and APT theories to the pricing of risky assets. Topics: simple asset allocation techniques, hedging strategies using derivative securities, the theory of bond pricing, techniques in fixed interest portfolio management, international portfolio management, and financial planning.

CORPFIN 7020

Options Futures & Risk Management (M)

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: COMMERCE 7005 Principles of Finance
- Assessment: assignments & exam as determined at first class

The course examines futures and options markets and the different ways they are used. Topics: simple market relationships for no arbitrage opportunities, dealing strategies and their applications to hedging and risk management, the binomial distribution and Black and Scholes approach to pricing of standard options, stock indices, currencies, futures markets and options, other derivatives, and corporate hedging practices.

CORPFIN 7021

Corporate Investment & Strategy (M)

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ACCTING 7000 Accounting and Decision Making (M) and COMMERCE 7005 Principles of Finance
- Assessment: assignments, tests & exam as determined at first class

This course examines techniques and issues in corporate finance with a focus on corporate investment decisions. Topics include stock valuation using free cash flow technique, valuation of growth opportunities, determining sustainable growth rates, estimation of beta using online data, techniques for evaluating international investment proposals, application of option pricing models in a corporate setting, and evaluation of techniques for measuring financial performance.

CORPFIN 7022

Corporate Finance Theory (M)

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ACCTING 7000 Accounting and Decision Making (M) and COMMERCE 7005 Principles of Finance
- Assessment: assignments, tests & exam as determined at first class

The objective of the course is to gain an appreciation of the theoretical controversies surrounding corporate finance policies, leading to formulation of financing strategies. Topics: competing capital structure theories including financial distress and agency costs, dividend policy and taxation, IPOs in both debt and equity markets, motives for convertibles and warrants, valuing real options, rationales for corporate diversification including internal capital markets and agency theory.

CORPFIN 7039

Equity Valuation & Analysis (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: ACCTING 7000 Accounting and Decision Making (M) and COMMERCE 7005 Principles of Finance
- Assessment: assignments & exam as determined at first class

The course analyses companies from a fundamental perspective in order to derive an intrinsic value for stock. Topics: Fundamental analysis, determination of growth, discount cash flows models including dividend discount models, free cash flow models and residual income models; relative valuation models including price-earnings and price-book multiples; valuation of private companies, start up companies, companies with negative earnings and mergers and acquisitions.

CORPFIN 7040

Fixed Income Securities (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at finance specialisation level
- Assessment: assignments & exam as determined at first class

The course examines the valuation of fixed-income securities. Topics: pricing of bonds and interest rate changes, the term structure of interest rates, the varieties of debt instruments, types of risk including default and country risk, immunization strategies, institutional aspects of the fixed income market including credit ratings.

CORPFIN 7042

Treasury & Financial Risk Management (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at finance specialisation level
- Assessment: assignments & exam as determined at first class

The course examines the process and instruments used in treasury management and their application in hedging risk and creating risk profiles. Topics: money market instruments and management including yield curve, convexity and price value of basis point, bond portfolio management, bond hedging and trading; derivatives including futures, interest rate swaps, currency swaps, credit derivatives; the management of market, credit, liquidity and operations risks, and computing the value of risk. These issues are examined from the view point of both financial and non-financial organisations.

CORPFIN 7044

Financial Planning (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: COMMERCE 7005 Principles of Finance
- Assessment: exam 50%, assignments 50%

The course aims to provide key knowledge about, and applications of, financial planning and superannuation, focusing on the process and development of financial plans for clients with different financial objectives. Topics: Overview of the financial planning industry and its environment, key elements in the financial planning process, strategic investment of funds, the superannuation life cycle, the regulatory and tax framework for superannuation funds, termination and retirement benefits and estate planning, developing a financial plan. An outline of the regulatory framework for providing financial advice is also covered, along with the necessary material to ensure ASIC p146 compliance.

Creative Writing

ENGL 5001
Work in Progress

- 8 units - semester 1
- Eligibility: postgraduate Creative Writing students

This course provides a forum for presentation and discussion of current student writing in various creative genres; notably novel, short fiction, poetry and drama. Seminars will focus on literary themes, theories and models. Participants will read and discuss each other's work and a wide selection of published writing.

ENGL 5002
Creative Writing Study A

- 4 units - semester 1
- Eligibility: postgraduate Creative Writing students

This course will focus on the reading and analysis of literary texts. Student writers will be able to explore the crossflow between critical and creative reading and writing.

ENGL 5003
Creative Writing Study B

- 4 units - semester 2
- Eligibility: postgraduate Creative Writing students

This course advances the work begun in ENGL 5002 Creative Writing Study A

ENGL 5004
Advanced Work in Progress

- 8 units - semester 2
- Eligibility: postgraduate Creative Writing students
- Prerequisite: ENGL 5001 Work in Progress

This course advances the work begun in Work in Progress.

ENGL 5500A/B
Creative Writing Dissertation

- 24 units - full year
- Eligibility: M.A.(Creative Writing) students
- Supervision arranged with program convenor
- Prerequisite: completion of coursework component

An extended writing project in a single literary genre.

Defence Science

DEFSCI 7000
Cognitive Sciences: Minds, Brains and Computers

- 3 units- not offered in 2005
- 2 lectures, 1 tutorial per week
- Prerequisite: 6 units Level I Humanities/Social Science (incl. 3 units Philosophy), or 6 units Psychology, Computer Science or Mathematics; or alternative approved by Head of Department
- Assessment: essay totaling 4800 - 6000 words

This course provides an introduction to the philosophical foundations of Cognitive Science, which is a relatively new inter-disciplinary field of study that embraces aspects of philosophy, psychology, computer science and neuroscience. Topics to be discussed include: the computer as a model of the mind; classical (digital) and connectionist (analog) computational theories of cognition; the science and philosophy of perception: psychopathology, including delusions and schizophrenia; and the role of the emotions in cognition.

DEFSCI 7001
Decision Making in a Real Environment

- 2 units - semester 2
- Eligibility: M.Psych.(Organisational & Human Factors) students, or permission of Head of Dept
- Assessment: assignment

This course aims to examine models of human decision making in their application to a variety of real-world problems. It will develop an understanding of the way in which people make decisions in a variety of real-world situations. It will describe and critically evaluate a number of competing models of human decision making. Particular emphasis will be given to those models that consider the role that heuristics (rules-of-thumb) play in decision making, and to models that consider the way in which the environment guides decision making. Throughout the course, applications of the decision making models to real-world problems will highlighted, including examples drawn from the domains of fire-fighting, human-computer interaction and military decision making.

DEFSCI 7002
Distributed Systems

- 3 units - semester 2
- 2 lectures, 4 hours practical per week, tutorial/homework exercises every 3 weeks
- May be available for Non-Award study - contact School for details
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 6003 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design

- Assumed knowledge: COMP SCI 2000 Computer Systems, COMP SCI 2004 Data Structures & Algorithms, COMP SCI 3001 Computer Networks & Applications; exposure to SQL programming as from COMP SCI 2002 Database and Information Systems
- Restriction: not available to B.Ma.& Comp.Sc. students

A selection of topics from the following: the challenges faced in constructing client/server software: partial system failures, multiple address spaces, absence of a single clock, latency of communication, heterogeneity, absence of a trusted operating system, system management, binding and naming. Techniques for meeting these challenges: RPC and middleware, naming and directory services, distributed transaction processing, 'thin' clients, data replication, cryptographic security, mobile code. Introduction to Java RMI.

DEFSCI 7003

Artificial Intelligence

- 3 units - semester 1
- 2 lectures, 4 hours practical work a week
- May be available for Non-Award study - contact School for details
- Prerequisite: COMP SCI 1009 Computer Science IB (Pass Div 1) or Pass in COMP SCI 6003 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design
- Assumed knowledge: COMP SCI 2004 Data Structures and Algorithms
- Assessment: written exam, compulsory projects

AI methodology and fundamentals: philosophy of AI, representation techniques, goal reduction. Search techniques: hill-climbing, beam, best-first, A*, game playing techniques with minimax and alpha-beta pruning. Learning: Winston's methods, neural networks. Rule based systems; forward and backward chaining methods. AI systems: ANALOGY, MYCIN, GPS, Xcon. Fuzzy systems. Computer vision, evolutionary algorithms: genetic algorithms, evolution strategies, genetic programming.

DEFSCI 7004

Aerospace Navigation & Guidance

- 3 units - semester 2
- Eligibility: available to students in specified programs only, please check Academic Rules of the program in which you are enrolling
- Assessment: assignment, final exam

The course will comprise two components: Navigation: this will cover theory, and the principles of operation and performance modeling of navigation technologies with particular emphasis on technologies that are used to support aeronautical applications. This material will cover inertial navigation technologies, satellite navigation technologies such as GPS and terrestrially based navigation systems such as Loran-C. Technologies which support astronautic applications will also be considered. Guidance: this will cover the principles on which aircraft flight plans and space vehicle orbital manoeuvres are designed and to which a flight vehicle's motion is controlled. This section will cover both open loop flight path generation and closed loop autopilot aspects of the control of flight vehicles.

DEFSCI 7005

Principles of Control Systems

- 3 units - not offered in 2005
- 24 hours lectures, 6 tutorials
- Assumed Knowledge: ELEC ENG 2007 Signals & Systems or equiv
- Assessment: exam, assessments and design project

The aims of the course are to introduce the fundamentals of theory of continuous and discrete time control systems, techniques for the design of closed loop systems

Topics covered are mathematical models; modes of responses; pole-zero plot; Stability and Routh's test; Root locus techniques; Nyquist criterion; Bode plots; Steady-state error analysis; Lead-lag compensation; PID controller; Minor loop feedback; State-space control systems; State feedback control; Digital control.

DEFSCI 7006

Antennas and Propagation

- 3 units - semester 1

Theory of radiation, wire antennas, antenna arrays, aperture antennas, broadband antennas, numerical analysis, communications and radar systems, propagation.

DEFSCI 7007

Principles of RF Engineering

- 3 units - semester 1 or 2
- Assumed knowledge: foundation course in electronics, some familiarity with electromagnetic ideas
- Assessment: hardware design assignment, tests

RF System Basics: Radio waves, antennas, analogue modulation, noise, sensitivity, selectivity, non-linearity, digital modulation, spread spectrum and radar. Tuned Circuits: Resonance, Q, bandwidth, transformers and matching networks. Amplifiers: BJT amplifiers, Miller effect, differential amplifiers, feedback, FET amplifiers, amplifier noise. Scattering Parameters: Transmission lines, impedance transformation, Smith charts, S parameters and S parameter amplifier design. Multi-port networks. Power Amplifiers: Class A, B, C and E amplification. Broadband matching. Filters: Basic lumped component designs. Filter realisation in microstrip form. Oscillators: Basic oscillator design and negative resistance approach. Phase noise and stability issues. Mixers, Modulation and Demodulation: Diode, BJT and FET mixers. The generation and demodulation of AM, SSB, FM and PM signals. Introduction to Phase Locked Loops: Basic principles and some applications. Frequency synthesisers.

DEFSCI 7008

RF Measurements and Testing

- 3 units - not offered in 2005

Network analysis, spectrum analysis, noise measurements, active device characterisation.

DEFSCI 7009

Modelling Telecommunication Traffic

- 3 units - semester 2
- 4 hours lectures
- Assessment: assignments, exam

Traffic streams. Loss and delay systems. Communications networks. Loss networks. Modelling internet traffic. Aim: to introduce students to fundamental methods of the modelling of telecommunication systems. Objectives: on completion of this course, students should be able to understand how to model traffic streams using stochastic models: and be familiar with basic methods used to analyse traffic congestion and loss in telecommunication networks.

DEFSCI 7014

Parallel Computation

- 3 units - not offered in 2005

We will briefly examine some common parallel machine architectures, with emphasis on the CM-5. We will look briefly at fundamental primitives for explicit expression of parallelism, and languages which use them. We also consider data parallel programming, using CM-5 programs (probably in FORTRAN) as examples. We will concentrate on techniques for implicit expression of parallelism, using the dataflow model of computation and functional languages such as SISAL and Id, and consider the advantages (such as a higher level of abstraction and easy analysis of data dependencies) and disadvantages (such as necessity for copy avoidance) of such languages. Other aspects of parallel programming, such as performance measurement, visualisation and resource management, will be considered. Type inference in functional languages will also be studied.

DEFSCI 7016

Master of Sciences (Defence) Research Project

- 12 units - semester 1 or 2
- Assessment: thesis

Content Information: A supervised research project in a topic agreed between the University and DSTO and jointly supervised by these bodies.

DEFSCI 7018

Electromagnetism IIID

- 3 units - semester 1
- 1 hour lecture, 3 hour laboratory, reading project
- Restriction: PHYSICS 3001 Electromagnetism and Optics (6459); Electromagnetism (6849)

Electostatics; Laplace's equation, Poisson's equation, boundary value problems; electric fields in matter, electric dipole and multipoles, electric polarisation; magnetostatics, vector potential and gauge transformations; Faraday's law, energy stored in magnetic fields; magnetic fields in matter, magnetisation; Maxwell's equations; EM waves in free space, plane wares; Maxwell's equations in matter; Pynting's theorem. Waveguides; wave equation as boundary value problem, microwave waveguide, optical fiber, modes, dispersion in a waveguide.

DEFSCI 7203

Photonics IVD

- 3 units - semester 1
- 2 hour lecture, 1 hour tutorial, 3 hour practical
- Eligibility: M.Sc.(Defence Science) or equivalent only
- Assumed Knowledge: electromagnetism III, Physical Optics IIID, Photonics IIID
- Assessment: end of semester exam 50%, assignments 20%, practical assessment 30%

Nonlinear optics: second harmonic generation (SHG), sum (SFG) and difference frequency generation (DFG), optical parametric oscillators (OPO) and amplifiers (OPA), injection-seeded OPA's, phase matching, optical phase conjugation, four-wave mixing, stimulated Brillouin scattering (SBS), stimulated Raman scattering (SRS), Kerr mode-locking, all of these topics drawing heavily on real and detailed examples in laser engineering and remote sensing: LIDAR, coherent laser radar and vibrometry systems. Detectors: thermal, photomultiplier, PIN diode, APD, MQW. Detection of aeorosols, clouds, water, and gases. Atmospheric absorption and scattering. Sensitivity.

DEFSCI 7204

Photonics IIID

- 3 units - semester 2
- 2 hour lecture, 1 hour tutorial, 3 hour practical
- Eligibility: M.Sc.(Defence Science) or equivalent only
- Assumed knowledge: Physics IIA, Physics IIB, Electromagnetism III

Interaction of light with matter, time dependent perturbation theory, stimulated and spontaneous emission and absorption, stability or resonators, mode matching, advanced laser resonators, macroscopic description of the gain medium, rate equations, gain saturation and broadening, hole burning, MOPA's, CW lasers, optimum output couping, injection-locking, frequency stabilization,

pulsed lasers, gain switching, Q-switching, injection-seeding, transform limit, pulse chirping, mode-locked lasers, semiconductor lasers, fibre lasers, fibre Bragg gratings, fibre couplers, WEM's.Lasers: ruby, high power chemical, free-electron laser (FEL), solid state, dye, excimer, ion, CO2. Aspects of band-gap engineered devices: quantum cascade laser, multiple quantum well (MQW) detectors. Laser safety.

DEFSCI 7205
Experimental Methods IVD

- 3 units - semester 1
- 2 hour lecture, 1 hour tutorial, 3 hour practical
- Eligibility: M.Sc.(Defence Science) or equivalent only

An introduction to statistical and Fourier techniques, with applications to experimental design and data analysis.

DEFSCI 7206
Physical Optics IIID

- 3 units - semester 1
- 2 hour lecture, 1 hour tutorial, 3 hour practical
- Eligibility: M.Sc.(Defence Science) or equivalent only
- Assumed Knowledge: Physics IIA, Physics IIB, Electromagnetism III
- Assessment: end of semester exam 50%, assignments 20%, practical assessment 30%

SIP 7001
Information Theory

- 3 units - semester 1
- Online, possibility of weekly tutorials at Mawson Lakes or 3-5 day short course
- Assumed knowledge: probability theory, communication theory, MATLAB
- Assessment: assignments 60%, exam 40%, percentages indicative only - details at start of semester

Information Measures: entropy, relative entropy and mutual information. Source coding: Discrete memoryless sources, Shannon's first (noiseless) coding theorem, Shannon-Fano-Elias coding, Huffman coding. Sources with memory. Universal source coding theorem. Ziv-Lempel Coding. Channel coding: Discrete memoryless channels, channel capacity, Shannon's second (noisy) coding theorem, error control coding, performance bounds. Advanced topics: multiple-user information theory, fading channels, multiple-antenna channels.

SIP 7002
Kalman Filtering and Tracking

- 3 units - semester 2
- Online, possibility of short course
- Assumed knowledge: Linear algebra (matrices), probability theory, linear systems and MATLAB
- Assessment: details provided at start of semester

The Kalman Filter: Stochastic state-variable systems, Optimality criteria for the estimation of state variables; The Maximum-likelihood solution for independent Gaussian noise processes; The innovations sequence; The least-squares Kalman filter; Systems with correlated noise processes; Stochastic systems with time-invariant coefficients; The square-root algorithm; The extended Kalman filter, Adaptive system identification. Tracking Theory: Alpha-beta trackers, Kalman-filter tracking; Probability Data Association Tracking Hidden Markov models and the Viterbi Algorithm.

SIP 7004
Mobile Communications

- 3 units - semester 2
- Online with fortnightly tutorials at Mawson Lakes
- Assessment: details provided at start of semester.

Introduction, mobile radio propagation, channel modelling, modulation, diversity, terminal mobility and teletraffic models, cellular systems, the AMPS cellular system, time division multiple access cellular, personal communications networks and intelligent networks, low earth orbit.

SIP 7005
Multisensor Data Fusion

- 3 units - semester 2
- Online only
- Assumed knowledge: Linear algebra (matrices), differential equations (linear systems) & complex analysis (Laplace transforms), probability theory, MATLAB
- Assessment: details provided at start of semester

Elementary applications and techniques for data fusion in military and civilian systems; inference, classification, multisensor classification, tracking, multisensor registration, image registration, and graphical statistical models for expert systems. Case studies.

SIP 7007
Image Processing

- 3 units - semester 1
- Online with possibility of weekly lectures
- Assumed knowledge: Linear algebra (matrices), differential equations (linear systems) and probability theory, MATLAB
- Assessment: details provided at start of semester

Image enhancement: Histogram modification (quantization): image space, Fourier smoothing; Sharpening: highpass filters, differential operators; Model based; Masking. Image segmentation: thresholding: global, local; Feature detection and representation: point detection, edge detection, boundary detection, line detection; Region growing; Texture analysis; Classification. Compression: Model based; Quantization, Filter based. Image registration: many techniques listed above; Geometric transformations.

SIP 7012
Detection, Estimation and Classification

- 3 units - semester 1 or 2
- Online only
- Assumed knowledge: probability theory and statistics
- Assessment: exam 50%, 5 assignments & essay 50%, percentages indicative only - details at start of semester

Basic Ideas: Probability - Probability distributions, expectations, multivariate normals; Random variables; Independence; Conditional probability; Covariance matrix. Hypothesis testing: Bayes Rule; Likelihood; Applications to detection and classification problems; Priors and MAP; Cost functions and decision rules; Minimum risk; Composite testing: ROC's; Kernel Estimator method for finding pdf. Karhunen-Loeve and Linear Discriminate analysis: Review of eigenvalues and eigenvectors, singular value decomposition; Karhunen-Loeve method: reduction of continuous to discrete data; Linear discriminant analysis; Linear detection; Linear classifier. Parameter estimation: Bias and consistency; Efficiency; Maximum Likelihood; Bayesian Estimates; Linear Mean-Square Estimation. Advanced parametric methods: Minimax method; Neyman-Pearson method; The EM algorithm; Robust parameter estimation and detection. Evaluation: Probability of error in hypothesis testing; Chernoff bounds; Probability of error in parameter estimation; Cramer-Rao lower bounds; Dimension and misclassification.

SIP 7013
Introduction to Discrete Linear Systems

- 3 units - semester 1 or 2
- Online only
- Assumed knowledge: Linear algebra (matrices), differential equations (linear systems) & complex analysis (Laplace transforms), probability theory, MATLAB
- Assessment: 2 assignments 40%, intermediate exam 20%, final exam 40%, percentages indicative only - details at start of semester

Deterministic time-invariant linear systems: discrete-time and continuous-time state vector equations and state variable diagrams; solution of state vector equations, matrix exponentials, state-transition matrices; controllability and observability; solution by Z-transforms and Laplace transforms, transfer functions; stability, asymptotic stability, state feedback and pole placement. Introduction to stochastic linear systems: stochastic processes, ergodic series, autocorrelation function, the ARMAX model, special cases of the ARMAX process, Yule-Walker equations and system parameter estimation.

SIP 7015
Signal Synthesis and Analysis

- 3 units - semester 1 or 2
- Online with possibility of weekly lectures
- Assumed knowledge: Fourier transforms and Z-transforms, Linear Algebra
- Assessment: mid-term & final exam 50%, 5 assignments & essay 50%, percentages indicative only- details provided at start of semester

Hilbert space: Inner product, completeness, L2, orthogonality and Reisz basis, Parsevaal's theorem, linear operators and resolutions of unity. Fourier Series: Basis, L2(Rn), Plancherel Theorem, Uncertainty Theorem, Multidimensional Fourier transform, Short Time Fourier transform. Discrete Fourier Transform Properties, DFT Matrix, factorisation, Fast Fourier transform, sampling and Interpolation, Shannon sampling. Wavelets Multiresolution Analysis: Scaling function and dilation, orthogonal wavelets, compact supported wavelets, Quadrature Mirror filters, Finite discrete wavelet transform, wavelet design. Overview of other transforms.

The Course includes example/s like how wavelet analysis can be used with coding for data transmission.

SIP 7017
Specialised Studies A

SIP 7018
Specialised Studies B

SIP 7019
Specialised Studies C

SIP 7020
Specialised Studies D

- 3 - 4 day short courses

Short courses to be offered during the semester will be advised on MSIP website.

SIP 7023
Satellite Communications

- 3 units - semester 2
- Online and once a week at Mawson Lakes
- Assessment: details provided at start of semester

Satellite link models. Link budget calculations. Space segment. Propagation and interference. Modulation for non-linear satellite

channels. Combined modulation and coding. Multiple access techniques. Case studies.

SIP 7024

Adaptive Signal Processing

- 3 units - semester 1
- Online with possibility of 3-5 day short course or weekly lecture delivery.
- Assumed knowledge: Linear algebra (matrices), differential equations (linear systems) and probability theory, MATLAB
- Assessment: 5 assignments 50%, exam 25%, quizzes 25%, percentages indicative only - details provided at start of semester

Introductory and Preliminary material: Introduction to the concepts, key issues and motivating examples for adaptive filters; Discrete time linear systems and filters; Random variables and random processes, covariance matrices; Z transforms and spectra of stationary random processes. Optimum Linear Systems: Error surfaces and minimum mean square error; Optimum discrete time Wiener filter; Principle of orthogonality and canonical forms; Constrained optimisation; Method of steepest descent - convergence issues; Stochastic gradient descent LMS - convergence in the mean and misadjustment; Case study Least squares and recursive least squares. Linear Prediction: Forward and backward linear prediction; Levinson Durbin; Lattice filters.

SIP 7025

Beamforming & Array Processing

- 3 units - not offered in 2005
- Mixed mode: online and short course/weekly lectures
- Assumed knowledge: Linear Systems (discrete & continuous), Linear Algebra (matrices), Probability Theory, Fourier and Z Transforms and MATLAB
- Assessment: 5 assignments 50%, exam 25%, quizzes 25%, percentages indicative only - details provided at start of semester

Introductory Material: Concepts, key issues and motivating array examples; Simple propagating field models. Deterministic Signals: Conventional beamforming concepts: narrowband beamforming; Beam patterns: beamwidth, sidelobes and grating lobes, Array shading real weights, Array factor theorems; Multiple simultaneous beams; Wavevectors and frequency wavenumber beamforming; Time delay and sum beamforming. Random Signals: Probability and random processes for arrays; Cross-spectral matrices. Frequency Domain Beamforming: Frequency domain Approach single and multiple beams; Array Gain; Frequency wavenumber; Array shading and null steering. Optimum Beamforming in Frequency Domain: Optimisation criteria constrained minimum mean square and Conventional and Optimum Comparisons; Constraints: minbeam and nulls; Sample Matrix Inverse and statistical considerations. Adaptive Beamforming in Frequency Domain: Sample Matrix Inverse update, Gradient descent and optimisation surfaces with constraints; Convergence requirements; Stochastic Descent Methods: Least Mean Square; Convergence in the mean and mean square convergence. Optimum and Adaptive Beamforming in Time Domain: Multichannel tapped delay line approach; Optimum solution; Adaptive solution with passband constraints.

SIP 7026

Mathematical Coding and Cryptology

- 3 units - semester 2
- Online, possibility of twice weekly lectures at North Terrace
- Assessment: details provided at the start of semester

The first part of the subject concentrates on linear codes, with topics including syndrome decoding, perfect codes and cyclic codes. The Hamming and Golay codes, and others, are discussed. The second part is an introduction to contemporary cryptology, including both symmetric and public key systems. Examples of cryptosystems studied include the Data Encryption Standard and the RSA algorithm.

The course concludes with a selection of topics from authentication, identification and digital signatures.

Dentistry

DENT 6001HO

Contemporary Dental Practice

- 6 units - semester 1 or 2
- Available for Non-Award study
- Assessment: multiple choice questions, treatment plans.

An external study mode course which aims to review and update current concepts in general dental practice. Candidates select eight of the following topics: advanced restorative; basic restorative; behavioural science; community dentistry; endodontics; implants; infection control; oral medicine; oral pathology; oral surgery; orthodontics, pain control; paedodontics; periodontics; pharmacology; preventive dentistry; radiography; removable prosthodontics; orofacial pain.

DENT 6003HO

Basic and Applied Dental Sciences

- 2 units - semester 1 or 2
- Prerequisite: 6004HO Research Methods and Ethics
- Assessment: seminar participation

This course of seminars, some of which are presented online, aims to provide postgraduate students with a broad appreciation of current knowledge in the basic and applied dental sciences, and to enable them to become acquainted with research programs within the Dental School.

DENT 6004HO

Research Methods and Ethics

- 2 units - semester 1 or 2
- Assessment: short test in biostatistics, evaluation of short written critique of given scientific paper

The course of seminars provides an appreciation of the scientific method and of ethics as well as practical aspects of biostatistics, experimental design, research methodology, laboratory safety and infection control, use of computers and bibliographic databases, preparation of initial research proposal, evaluation of research papers, scientific writing and presentation of research findings. Where possible, the material presented will be selected to meet the specific requirements of the students enrolled.

DENT 6021HO

Adhesive Dentistry C

- 2 units - semester 1 or 2
- Assessment: to be advised

This course covers both the theory and practice of adhesive dentistry. Students will use online readings and resources prior to attending a hands-on course. Topics covered include adhesive materials, bonding systems, mechanisms of adhesion of materials to teeth, and reasons for success and failure of adhesive restorations. A variety of current operative/restorative techniques will be explored.

DENT 6022HO

Advanced Restorative Dentistry C

- 2 units - semester 1 or 2
- Assessment: may include written assessment, technique work & case report or online seminar

This course looks at recent trends in crown and bridge work including relevant dental materials. Topics covered include diagnosis and treatment planning for crown and bridge work, design of preparations, occlusion, impression materials, recording inter-maxillary relationships, fabrication and cementation of temporary restorations, and selection and manipulation of crown and bridge cements.

DENT 6023HO

Endodontics C

- 2 units - semester 1 or 2
- Assessment: may include written assessment, technique work & case report or online seminar

This course covers the diagnosis of pulpal and periapical conditions, emergency endodontic procedures, vital pulp therapy and non vital pulp therapy. Other areas explored include microbiology and immunology, instrumentation, medicaments and root filling techniques. Periapical surgery, management of traumatic injuries, bleaching and apexification will also be reviewed.

DENT 6024HO

High Caries Risk C

- 2 units - semester 1 or 2
- Assessment: may include written assignment, MCQs, technical work & case report

This course reviews the structure of dental hard tissues of tooth, current concepts in cariology including microbiology and the nature of saliva and its role. Both traditional and minimum intervention approaches to the management of patients at high risk of caries are explored. The course also looks at practical assessment of caries risk including saliva testing, materials and products suitable for professional and home care, prevention, and short- and long-term care. Students have access to online resources and attend a four-day hands-on course during which they are encouraged to discuss cases.

DENT 6025HO

Implantology C

- 2 units - semester 1 or 2
- Assessment: may include seminar performance, written exercises or case report

This course covers anatomy of the jaws, basic principles of osseointegration for the placement of single tooth implants, treatment of edentulous ridges, case selection, assessment of sites for implant placement and treatment planning.

DENT 6026HO

Orofacial Pain C

- 2 units - semester 1 or 2
- Assessment: may include seminar performance, clinical exercises & written assignments

This course is designed to update the general practitioner in current concepts of craniomadibular disorders. The course will cover differential diagnosis of craniomandibular disorders, clinical examination, the sequellae of masticatory muscle hyperactivity and the progression from myogenous to arthrogenous dysfunction.

DENT 6027HO

Oral Pathology C

- 2 units - semester 1 or 2

This course reviews common topics in oral pathology that are of importance in daily practice. It aims to demonstrate their laboratory and clinical applications. The course is a combination of review presentations, interactive seminars and clinical demonstrations.

Participants will need to complete readings prior to an intensive three day course. . Participants are asked to bring along interesting or problem cases for discussion. Completion of the oral pathology study module will be an advantage to candidates.

DENT 6028HO

Dento-Alveolar Surgery C

- 2 units - semester 1 or 2
- Assessment: may include seminar performance, clinical work, & written assignment

The course covers academic and clinical aspects of modern dento-alveolar surgery relevant to general dental practitioners including removal of teeth. Readings and resources will be provided.

DENT 6029HO

Orthodontics C

- 2 units - semester 1 or 2
- Assessment: seminar performance, multiple choice questions & written assignment

This course covers the principles of examination and orthodontic diagnosis including the use of cephalometrics and the application of clinical orthodontic treatment relevant to the general practitioner. Prior completion of the orthodontics study module is recommended. Readings and resources will be provided.

DENT 6030HO

Periodontics C

- 2 units - semester 1 or 2
- Assessment: may include seminar performance, clinical work, & case report or written assignment

This course is aimed at the general practitioner wishing to upgrade skills in diagnosis, treatment planning and simple surgical procedures, including frenectomies and grafts and use of gortex membranes where applicable. Students are required to attend a four day clinical course. Prior completion of the study module Periodontics for the General Practitioner is an advantage.

DENT 6031HO

Removable Prosthodontics (full) C

- 2 units - semester 1 or 2
- Assessment: clinical exercises and case report

This course covers at an advanced level the management of edentulous patients. Students will undertake diagnosis and treatment planning for complete and immediate dentures and explore the evidence base for treatment options. Students must attend a hands-on course on campus. Reding materials include the prosthodontic study module.

DENT 6032HO

Removable Prosthodontics (partial) C

- 2 units - semester 1 or 2
- Assessment: clinical exercises and case report

This course covers at an advanced level the management of partially edentulous patients. Students will undertake diagnosis and treatment planning for removable partial dentures and explore the evidence base for treatment options. Students must attend a hands-on course on campus. Reding materials include the prosthodontic study module.

DENT 6033HO

Special Needs Dentistry

- 2 units -semester 1 or 2
- Assessment: seminar performance or written assignment

This course deals with clinical management of physically, intellectually and medically compromised patients. Students will learn broad principles of treatment relating to patients who have haemophilia, head and neck tumours, organ transplants and HIV/AIDS. The management of patients with physical and intellectual disabilities will also be covered.

DENT 6034HO

Dental Wear C

- 2 units - semester 1 or 2
- Assessment: may be either written exercise or case report

This course will involve an interdisciplinary approach to the worn dentition and will aim to help the general practitioner to identify and fully understand the nature of the forms of non-carious loss of tooth structure. The four day on-campus course will focus on how to clinically assess patients, identify their risk factors and plan long-term management. Participants will be brought up to date with current research. Case discussions will be part of the course.

DENT 6035HO

Contemporary Restorative Practice C

- 4 units - semester 1 or 2
- Available for Non-Award study
- Assessment: will include short written assignments, interview & technique exercises

This course is specifically designed for overseas-qualified dental practitioners preparing for the qualifying examinations of the Australian Dental Council and/or studying toward a Graduate Certificate or Graduate Diploma. The theory and practice of current techniques in the basic clinical disciplines are covered. Topics include intra-oral radiography, local anaesthesia, current operative techniques, adhesive dentistry and endodontic techniques. Additional supervised clinical experience for Certificate and Diploma students may be recommended. Online and paper

resources support students' learning in addition to four days of hands-on technical exercises.

DENT 6036HO

Aesthetic Dentistry C

- 2 units - semester 1 or 2
- Assessment: may include written assignment, MCQs, technical work & case report

This course covers both the theory and practice of aesthetic dentistry. It explores new and existing techniques, case selection and treatment planning. Dental materials important to this discipline are also covered. Students have access to online resources and will need to complete key readings before attending an intensive hands-on course.

DENT 6037HO

Panoramic Radiography C

- 2 units - semester 1 or 2
- Assessment: written exams, technical critique of approximately 20 panoramic images

This course covers both the theory and practice of film-based and digital panoramic radiology. Theory topics are supported by online resources and include tomography, radiographic anatomy, image formation, equipment and patient management. Students are required to attend 3-day practical block on-campus. Students wishing to be licensed in their own state should contact the relevant government authority and will need access to supervised practice following the on-campus practical sessions.

DENT 6038HO

Extra-Oral Radiography C

- 2 units - semester 1 or 2
- Assessment: written exams, technical critique of approximately 20 images

This course is primarily aimed at dental auxiliaries requiring the skills to safely produce the extra-oral images associated with orthodontic practice: lateral cephalometric and hand-wrist films. Theory topics are supported by online resources include radiographic anatomy, image formation, equipment and patient management. Exercises in cephalometric tracing and age determination will also form part of the course. Students are required to attend two 2-day practical blocks on-campus. Students wishing to be licensed in their own state should contact the relevant government authority and will need access to supervised practice following the course.

It is recommended that students also complete a course in panoramic radiography.

DENT 6039HO

Dental Trauma C

- 2 units - semester 1 or 2
- Assessment: may include written assignments, MCQs, technical exercises & case report

This course explores a multidisciplinary approach to the management of dental trauma. It includes the theory and practice of examination/assessment of the dental, oral and facial injuries, immediate management, endodontic treatments and referral. The role of orthodontics, prosthodontics and other specialist disciplines in the short- and long-term management of dental trauma will also be covered. Students are supported by online reading material and resources and are required to attend a four-day clinical block on-campus.

DENT 6040HO

Dental Laboratory Technology C

- 2 units - semester 1 or 2
- Available for Non-Award study in semester 2
- Assessment: may include written assignments, MCQs, technical exercises & case report

This course is primarily aimed at practitioners requiring basic laboratory skills. It aims to review and update students in areas such as the laboratory stages of partial and full denture construction, denture repairs, production of mouthguards and ceramic techniques. Students are supported by online reading material and resources and are required to attend a four-day laboratory block on-campus.

DENT 6058HO

Advanced Dental Selective

- 3 units - semester 2
- Eligibility: Graduate Diploma in Clinical Dentistry students only
- Prerequisite: DENT 6055HO Dental Selective
- Assessment: satisfactory completion of chosen project

This course offers candidates the opportunity to undertake advanced dental studies in a number of areas. It can include completion of an essay, development of a website, preparation for the Royal Australasian College of Dental Surgeons Primary Examination or other approved selective projects.

DENT 6059HO

Advanced Dental Studies

- 3 units - semester 2
- Eligibility: Graduate Diploma in Clinical Dentistry students only
- Prerequisite: DENT 6056HO Dental Studies
- Assessment: satisfactory completion of research report or satisfactory completion of chosen project

To satisfactorily compete this course, candidates will be required to undertake either a small research project under supervision, or complete an alternative assignment(s) approved by the Graduate School Advisory Board.

DENT 6061HO

Maxillo-Facial Prosthetics C

- 2 units - semester 1 or 2
- Assessment may include written assignments, MCQs, technical exercises & case report

This course is primarily aimed at practitioners with an interest in the area of maxillo-facial prosthetics. Topics will include head and neck anatomy, principles of implantology and prosthetic for the maxillo-facial region. Relevant dental materials will also be covered. Some experience in the fabrication of prostheses will be provided. Students are supported by online reading material and resources and are required to attend a four-day laboratory/clinical course on-campus.

DENT 6063HO

Pain Management C

- 2 units - semester 1 or 2
- Assessment: may include written assignments, MCQs, technical exercises & seminar presentation

This course is aimed at dental practitioners and auxiliaries with an interest in pain management in the dental surgery and the management of chronic pain in adults and children. Topics covered include physiology of pain, oral and dental pain pathways, local anaesthesia, relative analgesia, sedation and general anaesthesia, hypnosis, acupuncture, electrical anaesthesia, physical therapy, psychology, chronic pain and referral. Students will have some flexibilty to focus on areas of interest. Students are supported by online reading material and resources and are required to attend a four-day clinical block on-campus.

DENT 6064HO

Oral Medicine C

- 2 units - semester 1 or 2
- Assessment: may include written assignments, MCQs, case report

This course reviews common and important topics in oral medicine and demonstrates their laboratory and clinical applications. The course is a combination of review presentations, interactive seminars and clinical demonstrations. Students will be required to read key references and explore resources on MyUni prior to the course. Students are required to attend a three-day clinical block on-campus. They are encouraged to bring along interesting cases for discussion.

DENT 6065HO

Paedodontics C

- 2 units - semester 1 or 2
- Assessment: may include written assignments, MCQs, case report following attendance at pre-clinical course

The aim of this course is to equip practitioners with the information and skills to enjoy the rewards of treating children and those with special needs. Topics to be covered include: growth and development, treatment planning for paediatric and special needs patients, updates in pulp therapy, dental trauma and dental materials for the paediatric population, oral pathology and minor oral surgery, pharmacological and non-pharmacological behaviour management and treatment planning and treatment in the operating theatre. Assessment tools in special needs dentistry as well as speech pathology for dental practitioners will also be included. Students are required to attend a four-day preclinical course on-campus. Time will be set aside for participants discuss their own cases and treatment planning options.

DENT 6067HO

Dental Selective

- 3 units - semester 1
- Eligibility: Graduate Diploma in Clinical Dentistry students only
- Assessment: satisfactory completion of the chosen project

This course offers candidates the opportunity to undertake advanced dental studies in a number of areas. It can include completion of an essay, development of a website, preparation for the Royal Australasian College of Dental Surgeons Primary Examination or other approved selective projects.

DENT 6068HO

Dental Studies

- 3 units - semester 1
- Eligibility: Graduate Diploma in Clinical Dentistry students only
- Assessment: satisfactory completion of research report or satisfactory completion of chosen project

To satisfactorily compete this course, candidates will be required to undertake either a small research project under supervision, or complete an alternative assignment(s) approved by the Graduate School Advisory Board.

DENT 6069HO

Clinical Studies

- 4 units - semester 1
- Eligibility: Graduate Diploma in Clinical Dentistry students only
- Assessment: ongoing - patient presentations & viva voca exams

This course provides hands on experience in a number of clinical areas under the supervision of experienced clinicians in these areas. Seminar participation is required.

DENT 6070HO
Advanced Clinical Studies

- 4 units - semester 2
- Eligibility: Graduate Diploma in Clinical Dentistry students only
- Prerequisite: DENT 6057HO Clinical Studies
- Assessment: ongoing assessment, patient presentations & viva voca exams

This course provides hands on experience in a number of clinical areas under the supervision of experienced clinicians in these areas. Seminar participation is required.

DENT 7101HO
MDS Research A

- 4 units - semester 1 or 2
- Assessment: demonstration of progress within research project, submission of research proposal

Students will undertake a research project in their chosen area.

DENT 7102HO
MDS Research B

- 4 units - semester 1 or 2
- Assessment: demonstration of progress within research project, completion of literature review

Students will continue with a research project in their chosen area.

DENT 7103HO
MDS Research C

- 4 units - semester 1 or 2
- Assessment: demonstration of progress within research project, completion of experimental work

Students will continue with a research project in their chosen area.

DENT 7105HO
MDS Research D

- 4 units - semester 1 or 2
- Assessment: successful completion & submission of thesis

Students will continue with a research project in their chosen area.

DENT 7119AHO/BHO
General Dental Practice VI

- 12 Units - full year
- Assessment: may involve patient presentations, seminars, written & oral exams

This course involves advanced clinical experience of the comprehensive management of patients, based upon the coordination of skills from individual disciplines. Seminars and clinical tutorials explore a wide range of topics relating to general practice. Emphasis is placed on treatment planning, review of completed treatment and prognosis.

DENT 7120AHO/BHO
General Dental Practice VII

- 16 units - full year
- Assessment: may involve patient presentations, seminars, written & oral exams

This course is a continuation of DENT 7120HO and involves advanced clinical experience of the comprehensive management of patients, based upon the coordination of skills from individual disciplines. Seminars and clinical tutorials explore a wide range of topics relating to general practice. Emphasis is placed on treatment planning, review of completed treatment and prognosis.

DENT 7150HO
Dental Public Health

- 3 units - semester 1 or 2
- Eligibility: Grad.Cert, Grad.Dip. and Master of Public Health students
- Assessment: to be advised

This course is designed to suit students requiring specific understanding of dental public health. The course will focus on (a) the assessment of various oral disease levels and related problems, identification of prevention and control measures, selection and implementation of appropriate measures and evaluation of the results; (b) the structure of existing dental care programs, the coverage of the community and integration and organisation of all types of dental resources including the supply, distribution and utilisation of dental personnel, facilities and funds.

DENT 8001AHO/BHO
Research Methods, Experimental Design & Ethics

- 4 units - full year
- 1 hour per week
- Eligibility: Doctor of Clinical Dentistry students only
- Assessment: short test in biostatistics, evaluation of short written critique of given scientific paper

The course of seminars provides an appreciation of the scientific method, and of ethics approval procedures, as well as practical aspects of biostatistics, experimental design, research methodology, laboratory safety and infection control, use of computers, internet, and bibliographic databases, preparation of Research Proposal, evaluation of clinical and research papers, scientific writing, and presentation of research findings. Where possible, the material presented will be selected to meet the specific requirements of the students enrolled, and the theory of evidence-based dentistry will be introduced.

DENT 8002AHO/BHO

Common Topics in Dental Clinical Science

- 4 units - full year
- 1 hour per week
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics
- Assessment: essay

The course of lectures and seminars aims to provide postgraduate students with a contemporary perspective of applied dental sciences, particularly topics in areas related to the candidate's field of study.

DENT 8003AHO/BHO

Interdisciplinary Seminars in Clinical Dentistry

- 0 units - full year
- 1 hour per week
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8002A/BHO Common topics in Dental Clinical Science
- Assessment: presentation of clinical case

The course of seminars and case presentations aims to provide postgraduate students with a broad appreciation of current knowledge in other specialty areas, using topics and cases requiring a specialised, interdisciplinary approach. Special emphasis will be given to analysis of cases using an evidence based approach (see DENT 8001AHO/BHO Research Methods, Experimental Design, & Ethics).

DENT 8004HO

Doctor of Clinical Dentistry Research A

- 6 units - semester 1 or 2
- 10 hours per week
- Eligibility: Doctor of Clinical Dentistry students only
- Assessment: demonstration of progress within research project, submission of research proposal

Students will undertake a research project related to the discipline named on the degree.

DENT 8005HO

Doctor of Clinical Dentistry Research B

- 6 units - semester 1 or 2
- 10 hours per week
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8004HO D Clin Dent Research A
- Assessment: demonstration of progress within research project, completion of literature review

Students will continue a research project related to the discipline named on the degree.

DENT 8006HO

Doctor of Clinical Dentistry Research C

- 6 units - semester 1 or 2
- 10 hours per week
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8005HO D Clin Dent Research B
- Assessment: demonstration of progress within research project, completion of experimental work

Students will continue a research project related to the discipline named on the degree.

DENT 8007HO

Doctor of Clinical Dentistry Research D

- 6 units - semester 1 or 2
- 10 hours per week
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8006HO D Clin Dent Research C

Students will continue a research project related to the discipline named on the degree.

DENT 8010AHO/BHO

Specialist Clinical DentMaxFacial Radiology VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

The range of knowledge required to pursue specialist training in Dento-Maxillo-Facial Radiology can be divided into four sections: Basic physics and equipment: the production of xrays, their properties and interactions which result in the formation of a radiographic image; Radiation protection: the protection of patients and dental staff from the harmful effects of xrays; Radiography: the techniques involved in producing the various radiographic images; Radiography: the interpretation of these radiographic images.

The course comprises advanced aspects of dental radiology, including biological sciences, radiological sciences, radiography and radiology with advanced work being undertaken in the related disciplines of oral pathology, oral diagnosis and oral medicine. Students will attend radiology clinics in the Adelaide Dental Hospital, Royal Adelaide Hospital, Flinders Medical Centre as well as private clinics.

DENT 8011AHO/BHO

Specialist Clinical DentMaxFacial Radiology VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8010A/BHO Specialist Clinical Dento-Maxillo-Facial Radiology VI

This course builds upon knowledge and clinical skills developed in DENT 8010AHO/BHO Specialist Clinical Dento-Maxillo Facial Radiology VI.

DENT 8012AHO/BHO

Specialist Clinical DentMaxFacial Radiology VIII

- 24 units - full year
- Prerequisite: DENT 8011 AHO/BHO Specialist Clinical Dento-Maxillo-Facial Radiology VII
- Eligibility: Doctor of Clinical Dentistry students only

This course builds upon knowledge and clinical skills developed in DENT 8011AHO/BHO Specialist Clinical Dento-Maxillo Facial Radiology VII.

DENT 8020AHO/BHO

Specialist Clinical Endodontics VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

This course provides knowledge and experience in: patient assessment, differential diagnosis of pulp and periradicular pathology; radiography and radiographic diagnosis; local anaesthesia and sedation; endodontic isolation; biological aspects of endodontics; chemo-mechanical preparation of root canals including applied pharmacology and therapeutics; endodontic materials, instruments and equipment; root canal filling techniques; evaluation of previous endodontic treatment; vital pulp therapies, and conservative endodontic management of pulpless teeth with associated periapical pathology. History of the discipline and detailed dento-legal reporting will be emphasised, as will the relationship of endodontics to other clinical disciplines and relevant aspects of related specialist disciplines will be covered.. Candidates will also explore the psychology of illness behaviour and patients' responses to trauma and treatment. Together Specialist Clinical Endodontics VI, VII and VIII aim to fulfil the requirements for graduate education as laid down in guidelines published by the Australian Society of Endodontology

DENT 8021AHO/BHO

Specialist Clinical Endodontics VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8020AHO/BHO Specialist Clinical Endodontics VI
- Corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design, & Ethics

The course provides further knowledge and clinical experience in: patient assessment, diagnosis; chemo-mechanical preparation of root; endodontic materials; root canal filling techniques; evaluation of previous endodontic treatment and vital pulp therapies. Both conservative and surgical management of pulpless teeth with associated periapical pathology will be included. Candidates will gain experience in management of endodontic emergencies including assessment, diagnosis, initial management and replantation of teeth and subsequent treatment. The management of replanted and transplanted teeth will be covered including the aetiology and treatment of apical, external and internal tooth resorptive defects. Candidates will also learn techniques for the management of root perforations, restoration of endodontically treated teeth and discoloured teeth. Compromise endodontic procedures and management of the medically compromised patient will be covered.

DENT 8022AHO/BHO

Specialist Clinical Endodontics VIII P

- 24 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8021AHO/BHO Specialist Clinical Endodontics VIII
- Corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design, & Ethics

This course aims to consolidate and extend knowledge, understanding and clinical experience. Candidates will be involved in the assessment, diagnosis and treatment of complex endodontic cases. Candidates will gain further experience in conservative and surgical endodontic techniques; management of endodontic emergencies, replantation and transplantation of teeth and the management of resorptive defects, perforations, and discoloured teeth. Management of medically compromised patients will be extended as will interdisciplinary management of complex cases.

DENT 8030AHO/BHO

Specialist Clinical Forensic Odontology VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

History of forensic odontology. International legal systems and the coronial system. Relationship of the police to the practice of

forensic odontology. Methods of investigation of civil and criminal matters. Preservation and recovery of dental evidence including forensic dental photography. Dental autopsy techniques and principles and practices of forensic dental identification. Interpretation of dental records. Single and multiple victim identification emphasising management, international protocols and cultural aspects. Computerisation in dental identification. Alternate methods of dental identification, including video and computer imaging in cranio-facial video superimposition. General principles of forensic pathology with emphasis on time of death, time since death, autopsy techniques and injury assessment. Interdisciplinary nature of forensic specialities. The scope and history of physical anthropology. Osteology and anatomy of the skull and face. Comparative anatomy and evolution. The importance of anthropology in disaster victim identification. General principles of oral pathology with particular emphasis on the structure of human skin, patterns of injury and healing. Analysis of biting patterns and forces of the masticatory system. Collection and preservation of bitemark evidence. Principles and techniques of bite mark investigations. Forensic report writing. Presentation of evidence in court. Occupational health and safety. Public speaking and community education in forensic odontology.

DENT 8031AHO/BHO

Specialist Clinical Forensic Odontology VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8030AHO/BHO Specialist Clinical Forensic Odontology VI
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

History of forensic odontology. International legal systems and the coronial system. Relationship of the police to the practice of forensic odontology. Methods of investigation of civil and criminal matters. Preservation and recovery of dental evidence including forensic dental photography. Dental autopsy techniques and principles and practices of forensic dental identification. Interpretation of dental records. Single and multiple victim identification emphasising management, international protocols and cultural aspects. Computerisation in dental identification. Alternate methods of dental identification, including video and computer imaging in cranio-facial video superimposition. General principles of forensic pathology with emphasis on time of death, time since death, autopsy techniques and injury assessment. Interdisciplinary nature of forensic specialities. The scope and history of physical anthropology. Osteology and anatomy of the skull and face. Comparative anatomy and evolution. The importance of anthropology in disaster victim identification. General principles of oral pathology with particular emphasis on the structure of human skin, patterns of injury and healing. Analysis of biting patterns and forces of the masticatory system. Collection and preservation of bitemark evidence. Principles and techniques of bite mark investigations. Forensic report writing. Presentation of evidence in court. Occupational health and safety. Public speaking and community education in forensic odontology.

DENT 8032AHO/BHO

Specialist Clinical Forensic Odontology VIII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8030AHO/BHO Specialist Clinical Forensic Odontology VI
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

History of forensic odontology. International legal systems and the coronial system. Relationship of the police to the practice of forensic odontology. Methods of investigation of civil and criminal matters. Preservation and recovery of dental evidence including forensic dental photography. Dental autopsy techniques and principles and practices of forensic dental identification. Interpretation of dental records. Single and multiple victim identification emphasising management, international protocols and cultural aspects. Computerisation in dental identification. Alternate methods of dental identification, including video and computer imaging in cranio-facial video superimposition. General principles of forensic pathology with emphasis on time of death, time since death, autopsy techniques and injury assessment. Interdisciplinary nature of forensic specialities. The scope and history of physical anthropology. Osteology and anatomy of the skull and face. Comparative anatomy and evolution. The importance of anthropology in disaster victim identification. General principles of oral pathology with particular emphasis on the structure of human skin, patterns of injury and healing. Analysis of biting patterns and forces of the masticatory system. Collection and preservation of bitemark evidence. Principles and techniques of bite mark investigations. Forensic report writing. Presentation of evidence in court. Occupational health and safety. Public speaking and community education in forensic odontology.

DENT 8040AHO/BHO

Advanced General Dental Practice VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

The course consists of an advanced clinical experience in the comprehensive management of patients, based upon the coordination of skills from individual disciplines. Seminars and clinical tutorials explore a wide range of topics relating to general practice at the Specialist level. Emphasis is placed on treatment planning, case presentations, reviews of completed treatments and prognosis. Candidates will also be required to attend seminars in other clinical specialist disciplines including paediatric dentistry,

prosthodontics, oral medicine, oral and maxillofacial surgery, periodontics, and endodontics.

DENT 8041AHO /BHO

Advanced General Dental Practice VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8040A/BHO Advanced General Dental Practice VI
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

This course builds upon knowledge and clinical skills developed in DENT 8040AHO/BHO Advanced General Dental Practice VI.

DENT 8042AHO/BHO

Advanced General Dental Practice VIII

- 24 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8041A/BHO Advanced General Dental Practice VII
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

This course builds upon knowledge and clinical skills developed in DENT 8041AHO/BHO Advanced General Dental Practice VII.

DENT 8050AHO/BHO

Specialist Oral and Maxillofacial Surgery VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: successful completion of the Primary Examinations of the Royal Australian College of Dental Surgeons, appointment to a clinical training post, and satisfactory progress with employment at the Royal Adelaide Hospital
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

The course is designed to teach outpatient and inpatient clinical skills in oral and maxillofacial surgery to the basic surgical science levels. Students initially embark upon a course of study which bridges the teaching of anatomy between the undergraduate program for dentistry and medicine, in particular below clavical gross anatomy. Students are introduced to skills of medical practice, the scientific study of the processes of disease states and the ethics of medicine. Emphasis will be placed on the acquisition of skills in clinical interviewing and communication as well as those required to elicit and record a clinical history and to perform a physical examination. Clinical data gathered at the bedside is to be interpreted in the context of a scientific understanding of the aetiology, pathophysiology and prognosis of common disease processes, aided where appropriate by information derived from laboratory and other diagnostic investigations. In the study of biomedical ethics, the student will be equipped with the conceptual tools to think clearly about ethical problems and reach sound ethical judgements in a clinical context. This course is usually taken over two years.

DENT 8051AHO/BHO

Specialist Oral and Maxillofacial Surgery VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8050A/BHO Specialist Oral & Maxillofacial Surgery VI; MBBS AND BDS degrees.

The course covers all academic and clinical aspects of modern Oral and Maxillofacial Surgery. This includes dento alveolar surgery, maxillofacial injuries, preprosthetic surgery including implants, orthognathic surgery, temporomandibular joint surgery and aspects of cleft surgery and head and neck oncology.

DENT 8052AHO/BHO

Specialist Oral and Maxillofacial Surgery VIII

- 24 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8051A/BHO Specialist Oral & Maxillofacial Surgery VII
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

This course builds upon knowledge and clinical skills developed in DENT 8051AHO/BHO Specialist Oral and Maxillofacial Surgery VII.

DENT 8060AHO/BHO

Specialist Oral Medicine VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

Oral Medicine is that specialty in dentistry concerned with the diagnosis and non-surgical management of medically related disorders or conditions affecting the oral and maxillofacial region.

The main objective of this course is to provide students with sufficient knowledge of systemic and oral diseases to enable them to: become competent in recognising the various forms of oral diseases; modify the dental treatments of medically compromised patients; understand the relationships of systemic diseases to the oral cavity, and related tissues; effectively utilise the various diagnostic procedures available; become familiar with the principles of the scientific method as it applies to the practice of dentistry; be knowledgeable about public health hazards and their management in dental practice; understand the occlusal, neuromuscular; articular components of mandibular function;

diagnose and non surgically manage orofacial pain and temporomandibular disorders; manage primary oral mucosal diseases and oral mucosal manifestations of systemic diseases.

Specifically, candidates will study the anatomy of the head and neck, the histology and physiology of oral tissues, and basic principles in pathology and immunology. Participation in basic oral histopathology tutorials will be required throughout the course. The clinical component in this first year will consist of introductory oral medicine clinical sessions and related activities.

DENT 8061AHO/BHO

Specialist Oral Medicine VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8060A/BHO Specialist Oral Medicine VI

Students will continue studies outlined in Specialist Oral Medicine VI, and also undertake instruction in diagnostic imaging, pain control, biopsy techniques, clinical oral medicine, and management of the medically compromised patient. Candidates will also be required to attend weekly Head and Neck cancer clinics, oral histopathology seminars, as well as seminars in specific oral pathology topics. Study of the pathology and management of disease in core body systems will be commenced.

DENT 8062AHO/BHO

Specialist Oral Medicine VIII

- 24 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8061A/BHO Specialist Oral Medicine VII

This component of the program builds on the skills and knowledge acquired in the Specialist Oral Medicine VII at a more advanced clinical level. Students will also be required to undertake Clinico - Pathological case presentations; to study the management of temporomandibular joint disorders; and to undertake further rotations in haematology, immunology, clinical chemistry, and dermatology.

DENT 8080AHO/BHO

Specialist Orthodontics VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

Normal growth changes of the body in general, and of the craniofacial complex in particular, with reference to growth of the jaws, eruption of the teeth and development of normal occlusion. Applied anatomy of the head and neck with special reference to the temporomandibular joint and to the muscles that attach directly and indirectly to the mandible. The physiology of the stomatognathic system, and in particular the physiology of sucking, mastication, deglutition, respiration and phonation, and the effect that soft tissues have on the developing occlusion. A study of growth and development, encompassing embryology, histology, genetics, anthropology and oral pathology. The principles of examination and orthodontic diagnosis on patients, which involves cephalometrics and radiology. A detailed study of the periodontium and its reaction to orthodontic tooth movement. The properties and uses of orthodontic materials. Cleft palate and other dento-facial deformities and their surgical management. Clinical orthodontic treatment with removable and fixed appliances, including Begg and Edgewise techniques, is a major component.

DENT 8081AHO/BHO

Specialist Orthodontics VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8080A/BHO Specialist Orthodontics VI
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

This course builds upon knowledge and clinical skills developed in DENT 8080AHO/BHO Specialist Orthodontics VI.

DENT 8082AHO/BHO

Specialist Orthodontics VIII

- 24 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8081A/BHO Specialist Orthodontics VII
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics

This course builds upon knowledge and clinical skills developed in DENT 8081AHO/BHO Specialist Orthodontics VII.

DENT 8090AHO/BHO

Specialist Paediatric Dentistry VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics
- Assessment: assignments, case presentations, clinical performance & written exam

This course involves a series of seminars, assigned readings and registrar-prepared assignments on the basic sciences which form the basis of the specialty and the clinical aspects of the speciality. Students are introduced to the clinical management of dental problems in children and adolescents including an introduction to the dental management of children with medically compromising conditions. At the conclusion of this subject students should have acquired the following generic skills: Have an advanced

understanding of the changing knowledge base in paediatric dentistry; Be able to evaluate and synthesise the research and professional literature in the field of paediatric dentistry; Have the capacity to manage competing demands on time, including self-directed project work, and the capacity to value and participate in projects, which require teamwork; Have the capacity to engage where appropriate with issues in contemporary society; Have well-developed problem-solving abilities in the area of paediatric dentistry that are characterised by a flexible approach; Well-developed problem-solving abilities in the area of paediatric dentistry that are characterised by a flexible approach; Advanced competencies in areas of professional expertise relevant to paediatric dentistry; A broad understanding of the international context and sensitivities involved in the area of paediatric dentistry.

DENT 8091AHO /BHO

Specialist Paediatric Dentistry VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8090A/BHO Specialist Paediatric Dentistry VI
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics
- Assessment: assignments, case presentations, clinical proficiency, written exams

This course involves a series of seminars, assigned readings, assignments and case presentations on clinical aspects of the specialty. Students will also be involved in the clinical management at an advanced level of children and adolescents with a wide variety of clinical dental problems including those complicated by medical compromise. At the conclusion of this course students should have acquired the following generic skills: A superior capacity to articulate their knowledge and understanding in oral and written presentations; An understanding of the significance and value of their knowledge to the wider community (including business and industry); The capacity to engage where appropriate with issues in contemporary society; Professional knowledge and skills in child and adolescent welfare and management; Highly-developed problem-solving abilities in the area of paediatric dentistry that are characterised by a flexible approach; The ability to offer leadership in the area of paediatric dentistry; The capacity to value and participate in projects which require teamwork; An understanding of the significance and value of their knowledge to the wider community (including business and industry).

DENT 8092AHO/BHO

Specialist Paediatric Dentistry VIII

- 24 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8091A/BHO Specialist Paediatric Dentistry VII
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics
- Assessment: clinical performance, completion of patient log book, written & oral exams

This course involves a series of seminars, assigned readings, assignments and case presentations on clinical aspects of the specialty. Students will be involved with the clinical management at a specialist level of children and adolescents with a wide variety of clinical dental problems. At the conclusion of this course, students should have acquired the following generic skills: Advanced skills and techniques applicable to the discipline of paediatric dentistry; The ability to provide leadership in paediatric dentistry; A superior capacity to articulate their knowledge and understanding in oral and written presentations; Advanced understanding of the international context and sensitivities of the specialist area.

DENT 8100AHO/BHO

Specialist Periodontics VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001A/BHO Research Methods, Experimental Design, & Ethics
- Assessment: written, clinical & viva voce exams

This program leads to specialisation in Periodontics; it gives students a contemporary understanding of periodontal diseases and other conditions that are known causes of periodontal attachment loss. This is the major clinical subject taken over the first year of tuition. It involves an introduction to clinical procedures, advanced clinical training, case presentations, journal reviews and seminars. The clinical procedures covered include: infection control procedures, clinical photography, patient examination, patient charting, treatment planning, patient management, maintenance therapy, advanced conservative therapies, introduction to surgical techniques and introduction to implant surgery. The seminar topics run for one hour each week and students are expected to actively participate in these sessions by way of presentation and discussion. Topics covered include: natural history of periodontitis, diagnosis, treatment planning, plaque formation, monitoring and control, chemotherapy, surgical anatomy, and implants. A number of didactic courses must be taken during participation in this course including biology of the periodontium and microbiology and immunology of the periodontal diseases.

DENT 8101AHO/BHO

Specialist Periodontics VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite:DENT 8100AHO/BHO Specialist Periodontics VI
- Assessment: continuous, and if required, either one or all of additional exams - written, clinical & viva voce

This is the major clinical course taken over the second year of tuition. It involves a continuation of clinical procedures introduced and developed during the first year of the program. This course involves advanced clinical training in periodontics, case presentations, journal reviews and seminars. The clinical procedures covered include: advanced surgical techniques, regenerative periodontal surgery, 2nd stage implant surgery, interaction with other specialties, mucogingival surgery, regenerative periodontal surgery. The seminar topics which run for DENT 8100AHO/BHO are available for attendance should the student wish to review any of the fundamental topics covered. The journal reviews are designed to continue the processes developed in DENT 8100AHO/BHO. Students are expected to cover both the current periodontal literature as well as the 'classic papers' of periodontology. Active participation in these sessions is a requirement. Case review sessions are run weekly and students are required to present their cases for discussion of management and treatment planning principles. A number of didactic courses must be taken over the duration of this course including, clinical oral medicine and oral pathology, implantology for dental specialists and periodontal restorative interrelationships.

DENT 8102AHO/BHO

Specialist Periodontics VIII

- 24 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite:DENT 8101AHO/BHO Specialist Periodontics VI
- Assessment: written, clinical & viva voce exams

This is the major clinical course taken over the third year of tuition. It involves a continuation of clinical procedures introduced and developed during the first two years of the program. This course involves advanced clinical training in periodontics, case presentations, journal reviews and seminars. Clinical procedures covered include: consolidation of topics covered in DENT 8100AHO/BHO and DENT 8101AHO/BHO and some exposure to general oral surgical procedures in hospital settings. The seminar topics which run for DENT 8100AHO/BHO and DENT 8101AHO/BHO are available for attendance, should the candidate wish to review any of the fundamental topics previously covered. The Journal reviews are designed to continue the processes developed in DENT 8100AHO/BHO and DENT 8101AHO/BHO. Students are expected to cover both the current periodontal literature as well as the "classic papers" of Periodontology. Active participation in these sessions is a requirement. Case review sessions are run weekly and students are required to present their cases for discussion of management and treatment planning principles.

DENT 8110AHO/BHO

Specialist Prosthodontics VI

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Corequisite: DENT 8001 AHO/BHO Research Methods, Experimental Design, & Ethics

This component of the program includes seminars, associated coursework, supervised clinical practice and laboratory experience in the core aspects of prosthodontics. These include fixed and removable prosthodontics, implantology, the management of craniomandibular disorders and maxillo-facial prosthodontics.

By the completion of the course students will have an understanding of the theoretical basis of prosthodontic practice and will have developed their clinical and laboratory skills in each of the core discipline.

DENT 8111AHO/BHO

Specialist Prosthodontics VII

- 8 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8110 AHO/BHO Specialist Prosthodontics VI

This component of the program builds on the skills and knowledge acquired in DENT 8110AHO/BHO Specialist Prosthodontics VI course and introduces students to more advanced aspects of prosthodontics through seminars, coursework, clinical practice and laboratory experience. The program also gives students an opportunity to extend their understanding of a range of associated topics in areas of dentistry, medicine and other allied health disciplines.

By the completion of the program students will have an in depth knowledge of the theoretical basis of prosthodontic practice and will have developed their clinical and laboratory skills to an advanced level through experience in all aspects of prosthodontics.

DENT 8112AHO/BHO

Specialist Prosthodontics VIII

- 24 units - full year
- Eligibility: Doctor of Clinical Dentistry students only
- Prerequisite: DENT 8111AHO/BHO Specialist Prosthodontics VII

This component of the program allows students to consolidate their expertise in all of the aspects of prosthodontics through continuing seminars, coursework, clinical practice and laboratory experience. The course also gives selected students an opportunity to extend their experience through appropriate extra-mural practice under the guidance of selected mentors.

By completion of the course students will have the knowledge and skill required for independent specialist practice in prosthodontics.

ODONT 6006AHO/BHO

Anatomy and Forensic Anthropology

- 4 units - full year
- Eligibility: Graduate Diploma in Forensic Odontology students only
- Assessment: essay & seminar participation

This course looks at the scope and history of physical anthropology generally and in South Australia. Areas covered include osteology of the skull, comparative anatomy and evolution of head form and the masticatory system as well as principles and methodology for study of human growth and development,craniofacial growth and development and normal age changes,human and dental genetics,craniofacial malformations and paleopathology, somatometry, craniometry and cephalometry with emphasis on new imaging techniques,osteology of race and disaster victim identification including cultural factors, management and international protocol.

ODONT 6008AHO/BHO

Casework in Forensic Odontology

- 8 units - full year
- Supervision as required
- Eligibility: Graduate Diploma in Forensic Odontology students only
- Assessment: essay & seminar participation

This course will require students to participate in routine casework undertaken by the Forensic Odontology Unit including attendance at Coroner's mortuary and Courts of Law. Students will undertake a small research project in an approved topic.

ODONT 6010AHO/BHO

Oral and Forensic Pathology

- 4 units - full year
- 2 hour seminar per week
- Eligibility: Graduate Diploma in Forensic Odontology students only
- Assessment: essay & seminar participation

This course introduces general principles of forensic pathology. Emphasis is given to diagnosis and time of death, rigor mortis, time since death, age at death. Methods of forensic pathology examinations and identification of the dead are introduced including medical identification, injuries, serology and DNA identification.

ODONT 6012AHO/BHO

Principles and Methods of Forensic Odontology

- 4 units - full year
- 2 hour seminar per week
- Eligibility: Graduate Diploma in Forensic Odontology students only

This course covers areas such as: history and role of forensic odontology in community dentistry, legal systems and role and jurisdiction of courts of law, the coronial system and practice of the Coroner's Office, expert evidence, methods of investigation of civil and criminal matters, relationship of police to forensic odontology, preservation and recovery of dental evidence from scene, forensic dental photography, principles and techniques of video and computer imaging in cranio facial superimposition and procedures for investigation of bitemarks.

Design Studies

DESST 6000

Special Topic (Design) IVA

- 4 units
- Check availability with School of Architecture, Landscape Architecture & Urban Design
- Up to 4 hours lectures/seminars/ studios per week, field study trips
- Eligibility: Grad Cert./Grad.Dip. Des.St. students only
- Assessment: assignments and projects

Course description will be provided by the School when specialist teaching is available.

DESST 6002

Building Design Studio IV

- 4 units - semester 2
- Up to 6 hours lectures/seminars/studios per week
- Eligibility: Grad Cert./Grad.Dip. Des.St. students only
- Assumed Knowledge: DESST 6013 Issues in Urban and Landscape Sustainability IV
- Restriction: DESST 3006 Building Design Studio III
- Assessment: assignments & projects

In this course students will apply their skills in formal composition and knowledge of precedent to the design of small building on a rural site. Emphasis will be placed on the use of materials, the building's structure and construction, its responses to the local environment, and its life-cycle costings.

DESST 6006

Special Topic (Design) IVB

- 4 units
- Check availability with School of Architecture, Landscape Architecture & Urban Design
- Up to 4 hours lectures/seminars/ studios per week, field study trips
- Eligibility: Grad Cert./Grad.Dip. Des.St. students only
- Assessment: assignments & projects

Course description will be provided by the School when specialist teaching is available.

DESST 6009

Design and Environments IV

- 4 units - semester 2
- Up to 4 hours tutorials/seminars/studios per week
- Eligibility: Grad Cert./Grad.Dip. Des.St. and Grad Cert./Grad.Dip. Des.St. (Land.) students only
- Assessment: assignments & projects

The intersection of theory and practice in architecture and landscape architecture, developed in the context of student design projects. The course will examine the range of theoretical and ideological discourses which influence approaches to 'place-making' in the urban environment.

The projects will offer a context in which students will explore cultural, historical, social and ethnographic issues, while developing a vocabulary of approaches, morphologies and typologies. Students will develop representational skills in various media.

DESST 6010

Special Topic (Landscape) IVB

- 4 units
- Check availability with School of Architecture, Landscape Architecture & Urban Design
- Up to 4 hours lectures/seminars/ studios per week, field study trips
- Eligibility: Grad Cert./Grad.Dip. Des.St.(Land.) students only
- Assessment: assignments & projects

Course description will be provided by the School when specialist teaching is available.

DESST 6011

Special Topic (Landscape) IVA

- 4 units
- Check availability with School of Architecture, Landscape Architecture & Urban Design
- Up to 4 hours lectures/seminars/ studios per week, field study trips
- Eligibility: Grad Cert./Grad.Dip. Des.St.(Land.) students only
- Assessment: assignments & projects

Course description will be provided by the School when specialist teaching is available.

DESST 6012

Landscape Design Studio IV

- 4 units - semester 2
- Up to 6 hours lectures/seminars/studios per week
- Eligibility: Grad Cert./Grad.Dip.Des.St.(Land.) students only
- Assumed Knowledge: DESST 6013 Issues in Urban and Landscape Sustainability IV
- Restriction: DESST 3006 Landscape Design Studio III
- Assessment: assignments & projects

In this course students will apply their skills in formal composition and knowledge of precedent to the design of a small to medium sized park, allotment or place. Emphasis will be placed on design, use of materials and plants, any installations and their construction, the design's responses to the local environment, and life-cycle costings.

DESST 6013

Issues in Urban and Landscape Sustainability IV

- 4 units - semester 1
- Up to 6 hours lectures/seminars/studios a week, hours vary from week to week
- Eligibility: Grad Cert./Grad.Dip. Des.St. and Grad Cert./Grad.Dip. (Land.) students only
- Restriction: 6233 Issues in Landscape Sustainability IV or 8490 Issues in Urban Sustainability IV
- Assessment: assignments & projects

This course will centre upon 'place-making' in urban and rural settled environments. It will focus on the diversity of philosophical positions which inform current approaches to urban and landscape sustainability understood in its widest sense, including not only the 'environmental', but the resource, cultural, social, political, economics, institutional and professional realms, and position them within a design inquiry.

In this project-based learning program, students will develop knowledge and skills required in the creation of buildings and landscape elements in 'sustainable' urban environments, and explore opportunities and constraints affecting the development of such environments.

DESST 6014

Design Communications IV

- 4 units - semester 1
- Up to 6 hours lectures and/or tutorials per week
- Eligibility: Grad Cert./Grad.Dip. Des.St. and Grad Cert./Grad.Dip. (Land.) students only
- Assessment: assignments

The representation and communication of design in writing, drawing and modelling including computer techniques.

DESST 6015

Twentieth Century Architecture and Landscapes IV

- 4 units - semester 2
- Up to 2 hours lectures, 2 hours tutorials per week
- Eligibility: Grad Cert./Grad.Dip. Des.St. and Grad Cert./Grad.Dip. (Land.) students only
- Assessment: assignments

This course is concerned with changing forms, and 'forms of thinking', in the environmental design disciplines since the 19th century. Its primary aim is to place these formal and theoretical developments in a coherent historical framework through which further spatial and cultural dimensions of this field may be better understood. A further aim is to thereby enable students to position themselves critically within contemporary design discourse.

Practical work includes exercises in three-dimensional composition and in writing short analytical texts.

DESST 6016

Technology in the Built Environment IV

- 4 units - semester 1
- Up to 2 hours lectures, 2 hours tutorials per week
- Eligibility: Grad Cert./Grad.Dip. Des.St. students only

Taking a project-based approach the course will examine the application of science to the design and construction of built environments. Key topics will include design in relation to acoustic performance, thermal comfort, building structures and construction materials and techniques.

DESST 6017

Natural Systems and Design IV

- 4 units - semester 1
- Up to 2 hours lectures, 2 tutorials or equivalent studios a week
- Eligibility: Grad Cert./Grad.Dip. Des.St.(Land.) students only
- Assessment: series of papers & design assignments

This course considers the role and interactions that natural systems have upon and may influence designs, and how they are addressed in landscape design. These interactions include the role that soils, geology, micro-climate, water systems, animals and plants have upon and may shape the qualities and experiences in our designs. In particular the course considers the opportunities and diversity of plants as a design medium, the significant role of water in design including wetlands and stormwater management systems, and the natural ecological factors at sites that present constraints and opportunities in designs with an emphasis upon construction issues thereof. Specific attention is paid to the South Australian context, as well as contemporary examples that address these considerations.

DESSTDM 7001

Design with Digital Media A

- 6 units - semester 1
- Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials
- Eligibility: Grad.Cert./Grad.Dip./Master of Design Studies (Digital Media) students only
- Assessment: projects

This course focuses on design forms and their representation during the process of design. Students will carry out a series of exploratory design projects that use and develop skills and understanding in the 2D and 3D representation of form-making ideas, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of design-in-progress on the World Wide Web for an international audience. Project work is backed by seminars exploring theoretical concepts in contemporary design, representation and digital media. Projects and seminars may be adapted to suit individual student needs and design backgrounds.

DESSTDM 7002

Design with Digital Media B

- 6 units - semester 1
- Contact hours vary - periods of intensive group contact & periods of less frequent individual tutorials
- Eligibility: Grad.Cert./Grad.Dip./Master of Design Studies (Digital Media) students only
- Assessment: projects

The course focuses on the relations between digital models of designs and their interpretation and behaviour in the physical world. Students will carry out one or more design projects that use software for visual and environmental analysis and simulation, and develop skills and understanding of these issues. Project work is backed by seminars exploring related theoretical concepts such as the interpretation of images and narratives, performance prediction, environmental simulation and sustainability. Projects and seminars may be adapted to suit individual student needs and design backgrounds.

DESSTDM 7003

Design with Digital Media C

- 12 units - semester 2
- Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials
- Eligibility: Grad.Cert./Grad.Dip./Master of Design Studies (Digital Media) students only
- Assumed Knowledge: experience & skills in using a 3D CAD tool
- Assessment: projects

The course focuses on the developing professional use of digital media. It begins with media specific to particular application areas such as building modelling systems and geographic information systems. It then focuses on the cultural and professional contexts in which such systems are used in planning, urban design, architecture and landscape architecture, interior design and product design. A core component of the course is work under the direction of a professional office in one of these fields that is recorded and reviewed in a practice journal.

DESSTDM 7004

Design with Digital Media Masters Project

- 12 units - semester 1 or 2
- Contact hours vary
- Eligibility: M.Design Studies (Digital Media) students only
- Prerequisite: all required courses in the Graduate Diploma in Design Studies (Digital Media)
- Assessment: assignments/projects

This course comprises an individual or group culminating design, planning and/or research project that addresses an aspect of design, professional practice or design education in the context of digital media. Students will negotiate with the course coordinator a topic that reflects their own particular interests and the mode of digital and/or printed submission that is to be adopted.

Economics

BUSINESS 7000

Social Challenges to Global Business

- 3 units - semester 2
- Assessment: written responses to questions posed in specialised case studies, analytical essay centred on one of highlighted societal concerns

This course investigates modern societal challenges and concerns relating to international business and trade including: the environment, international labour standards, product health and safety considerations, intellectual property rights, corruption, and security in times of conflict. These issues raise problems of practical, ethical, tactical and strategic natures. The course would provide an understanding of the range of current global issues and look at strategies for successful business operations in the modern environment including approaches to the development and maintenance of a positive organisational reputation.

ECON 7001

Applied Econometrics IIID

- 3 units - semester 1
- 2 lectures, 1 tutorial a week
- Prerequisite: ECON 7051 Economic & Financial Data Analysis IID or equivalent
- Assessment: final exam, tutorial participation, performance, project using techniques developed

The course aims to develop an understanding of standard econometric methods, a capacity to formulate research problems so that they are amenable to quantification and a capacity to assess empirical research in economics critically. Tutorials will involve applications of econometric methods which use packaged programs.

ECON 7005

Resource & Environmental Economics IIIA

- 4 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: essays, exams, tutorials

This course aims to introduce students to key themes and debates in the management of natural resources in the process of development. There will be a particular, but not exclusive, focus on resource and environmental problems in less industrialised countries. The course will analyse some of the complex causes and environmental consequences of unsustainable development in the developing world. Topics that may be covered include: market and institutional failures, the trade-development-environment nexus, the role of forests and biodiversity in development and more generally the role of natural resources in development.

ECON 7007

International Finance IIIA

- 4 units - semester 1
- 2 lectures, 1 tutorial a week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID, 7071 Macroeconomic Theory & Policy IID
- Assessment: tutorial work & final exam

This course deals with the analysis of two important and related macroeconomics issues in open economies: the exchange rate and the capital flows. The objectives of the course are two-fold: 1) to introduce main concepts, principles and models in the theory and empirical works in those two key areas of International Finance; 2) to apply the analytical tools to understand the relevant policy issues in the global markets. Based on additional reading materials (mostly from The Economist (a weekly magazine)), discussions on relevant current events from various parts of the globe will be carried out.

ECON 7009

Mathematical Economics (H)

- 4 units - semester 1
- 2 hour lecture a week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: weekly assignments 20%, mid-semester exam 20%, final exam 60%

This course deals with dynamic economic models. The main technical tool is optimal control. Some familiarity with multivariable calculus and some knowledge of integrals are desirable. A sound knowledge of intermediate microeconomics is also expected. There are no other prerequisites but it is strongly recommended that all students intending to enrol in this course attend the Maths Review, which is presented during the two weeks preceding the

start of semester 1. The first part of the course will be spent on a slow introduction to optimal control with applications to resource economics. The second part will deal with the 'new' growth theory, or endogenous growth, and will thus attempt to explain several mechanisms at the origin of economic growth as well as studying policies which could enhance it.

ECON 7010

Econometrics A (H)

- 4 units - semester 1
- 2 hour lecture a week
- Prerequisite: ECON 7001 Applied Economics IIID, ECON 7082 Applied Economics IIIA or ECON 7022 Econometrics IIID or ECON 7038 Econometrics IIIA
- Assessment: assignments & final exam

This course has two objectives: to equip students for carrying out applied econometric research, and to provide students with sufficient theoretical background that they recognise models as fitting within a common body of principles. The first part of the course will cover basic techniques in regression analysis. Discussion of the issues that arise in estimating models will be motivated by economic applications. The second half of the course will cover some of the rich variety of models that are often used when the linear model proves inadequate or inappropriate. These include models for discrete dependent variables, (probit, logit, multinomial logit, ordered probit), and limited dependent variables models for truncated and censored samples. These econometric models will be motivated by economic applications, with particular reference to labour economics and health economics.

ECON 7011

Consumers, Firms & Markets IID

- 3 units - semester 1 or 2
- 2 lectures, 1 tutorial a week
- Assumed Knowledge: introductory microeconomics
- Assessment: exam, other assessment

This course builds on the microeconomic principles studied in the Level I Economics courses and provides an analysis of the way in which the market system functions as a mechanism for coordinating the independent choices of individual economic agents. It develops a basis for evaluating the efficiency and equity implications of competition and other market structures, and a perspective on the appropriate role of government. Included are the study of consumer choice, production and cost, market structure, and market failure.

ECON 7016

Resource & Environmental Economics IIID

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: essays, exams, tutorials

This course aims to introduce students to key themes and debates in the management of natural resources in the process of development. There will be a particular, but not exclusive, focus on resource and environmental problems in less industrialised countries. The course will analyse some of the complex causes and environmental consequences of unsustainable development in the developing world. Topics that may be covered include: market and institutional failures, the trade-development-environment nexus, the role of forests and biodiversity in development and more generally the role of natural resources in development.

ECON 7022

Econometrics IIID

- 3 units - not offered in 2005
- 2 lectures, 1 tutorial per week
- Prerequisite: credit standard in ECON 7051 Economic & Financial Data Analysis IID or equivalent
- Assessment: project, final exam

The objective of this course is to integrate economic models and econometric methods. Particular attention is paid to the relationship between economic and statistical models in selecting the appropriate econometric tools, and on the interpretation of the resulting statistics. Topics covered include single equation estimation under the statisticians ideal conditions, and econometric methods to deal with the violation of these conditions, and estimation of simultaneous equation models.

ECON 7025

Microeconomics A(H)

- 4 units - semester 1
- 2 hour lecture, 1 hour workshop per week
- Prerequisite: ECON 7096 Economic Theory IIID or ECON 7095 Economic Theory IIIA
- Assessment: 2 assignments, 3 hour final exam

This course gives an overview over basic microeconomic theory. Neoclassical consumer theory, producer theory, and equilibrium are covered in of the first half of the course. Monopoly and basic game theory (mainly with applications to industrial organization) are covered in the second six weeks. The games included are static and dynamic games of complete information and static games of incomplete information. All topics are treated mathematically. A basic knowledge of multivariate calculus and optimisation is essential.

ECON 7032

Public Economics IIID

- 3 units - semester 1
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: exam, other assessments

This course investigates the role of the public sector in the economic arena. We will attempt to explain why government intervention is needed, how it influences the behaviour of the private sector, what the welfare effects of such influences are, and so on. We will also survey political economy, which regards actions of the public sector as determined by a political process. Topics covered will include welfare economics, market failures, tax and expenditure, and political economy.

ECON 7036

International Trade and Investment Policy IID

- 3 units - semester 1
- Assumed Knowledge: introductory microeconomics
- Assessment: mid-term test, final exam, tutorial presentations

This course examines the interactions between economic, political, strategic, and legal aspects of international trade and investment policies at national, regional and global levels. This includes the ways in which WTO members affect and are affected by regional and multilateral trade and economic integration agreements. The effects of trade and investment policy on the efficiency of resource use, on income distribution, and on national and global trade and economic welfare are analysed using trade theories and models of international trade and investment.

ECON 7038

Econometrics IIIA

- 4 units - not offered in 2005
- 2 lectures, 1 tutorial a week
- Prerequisite: credit standard in ECON 7051 Economic & Financial Data Analysis IID or equivalent
- Assessment: project, final exam

The objective of this course is to integrate economic models and econometric methods. Particular attention is paid to the relationship between economic and statistical models in selecting the appropriate econometric tools, and on the interpretation of the resulting statistics. Topics covered include single equation estimation under the statisticians ideal conditions, and econometric methods to deal with the violation of these conditions, and estimation of simultaneous equation models.

ECON 7044

International Finance IIID

- 3 units - semester 1
- 2 lectures, 1 tutorial a week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: tutorial work & final exam

This course deals with the analysis of two important and related macroeconomics issues in open economies: the exchange rate and the capital flows. The objectives of the course are two-fold: 1) to introduce main concepts, principles and models in the theory and empirical works in those two key areas of International Finance; 2) to apply the analytical tools to understand the relevant policy issues in the global markets. Based on additional reading materials (mostly from The Economist (a weekly magazine)), discussions on relevant current events from various parts of the globe will be carried out.

ECON 7047

Employment Relations IID

- 3 units - semester 2
- 2 lectures, 1 tutorial a week
- Assumed Knowledge: introductory microeconomics & macroeconomics
- Assessment: exam, assignments

The course can be conceptually divided into two parts: employment relations theory and Australian employment relations practice. The first part will include the following topics: a review of the disparate theories of industrial relations; analysis of the employment relationship; the effort bargain and the ideology of work; conflict and its resolution; the role of the State; functions of management and unions; direct bargaining and arbitration. The second has a policy emphasis covering the development of Australia's industrial and employment relations system; the nature and role of trade unions, employer associations and peak councils; State regulation; the industrial tribunals and the judiciary; the pattern of wage settlement and policy; industrial and workplace bargaining; collective and individual bargaining; recent trends and likely changes of emphasis.

ECON 7050

International Economic History IIID

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: tutorial work, essay, exams

The course surveys the evolution of the international economy in the 20th century. Attention is given to the development of world trade and trade policies, the international monetary system,

international capital movements, the interwar depression, the postwar boom and the first and second periods of 'globalisation'. An examination is made of selected topics from the historical experience of the major industrial economies, especially the United States, which are relevant to an understanding of their current economic problems.

ECON 7051

Economic and Financial Data Analysis IID

- 3 units - semester 1 or 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: introductory statistics
- Assessment: tutorial work, mid-term multiple choice test, exam

This course provides an introduction to the techniques used to analyse economic data sets. Throughout the course, we will focus on the ability to use and understand the methods involved without requiring rigorous mathematical foundations. Basic computing skills using Excel will also be developed. It provides the theoretical and practical tools and understanding necessary to carry out single equation linear regression analysis, which is the most commonly used statistical technique in econometrics.

The first half of the course reviews and extends statistical theory necessary for this course and the simple linear regression model. The second half of the course discusses the various assumptions underpinning the classical linear regression model, the implications to estimation if these assumptions are not met, and how to overcome these problems.

ECON 7053

Long Run Growth (H)

- 4 units - semester 1
- 2 hour lecture a week
- Eligibility: students are advised to consult Lecturer in Charge
- Assessment: mid-term essay 25%, 3 hour final exam 75%

This course examines the evidence of, and leading explanations for, economic growth in the advanced countries over the long run. Both historians' and economists' contributions to the analysis of economic growth are considered, but emphasis is placed on the enhanced insight which may be derived from historical inquiry. Topics covered include a survey of economists' writings on growth and convergence; case studies of long run growth and decline (including Britain, the US south, Argentina); and wider perspectives on growth (including the role of natural resources, technology, institutions, interest groups, and cultural factors).

ECON 7055

International Trade (H)

- 4 units - semester 1
- 2 hour lecture a week
- Prerequisite: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID or ECON 7072 International Trade IIID or ECON 7069 International Trade IIIA
- Assessment: 90 min. mid-semester exam 30% (redeemable), 3 hour final exam 70% (or 100% if better than mid-sem grade)

This course seeks to provide the tools necessary to obtain a clear understanding of what determines the way international trade patterns evolve through time as economies grow. That requires drawing on and strengthening our knowledge of (a) trade and growth theories, (b) the economics and political economy of foreign trade and investment policies, and (c) quantitative modelling of global trade flows.

ECON 7056

International Finance (H)

- 4 units - semester 2
- 2 hour lecture a week
- Prerequisite: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID or ECON 7044 International Finance IIID or ECON 7007 International Finance IIIA
- Assessment: mid-term 30% and final exam 70%

This course deals with the analysis of two important and related issues in open economies: the exchange rate and the capital flows. The objectives of the course are two-fold: 1) to introduce main concepts, principles and models in the theory and empirical works in those two key areas of International Finance; 2) to apply the analytical tools to understand the relevant policy issues in the global markets. Based on additional reading materials (both from various economic journals and The Economist (a weekly magazine)), discussions on relevant current events from various parts of the globe will be carried out.

ECON 7058

Development Economics IIID

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: exam, work completed during course

The course is concerned with the economics of less-developed countries. Topics to be discussed include: the meaning and measurement of development, demographic change, trade, industrialisation, foreign aid and investment, poverty and income distribution, agricultural development and relevant growth theories.

ECON 7059

Macroeconomics A(H)

- 4 units - semester 1
- 2 hour lecture a week
- Prerequisite: ECON 7096 Economic Theory IIID or ECON 7095 Economic Theory IIIA
- Assessment: mid-term & final exam

This course serves as an introduction to more advanced methods and theories. Techniques include a more formal treatment of comparative statics, dynamics and stability analysis and will involve matrix algebra as well as simple differential and difference equations. Topics include extensions to some familiar models such as IS-LM, AD-AS or Mundell-Fleming; a more formal application of the rational expectations hypothesis in a variety of contexts and an introduction to developments in growth theory.

ECON 7062

Strategic Thinking for Decision Making IIID

- 3 units - semester 2
- 2 hour lecture, 1 hour workshop per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: assignments, final exam

This course covers topics in rational decision-making. Basic decision theory is used to analyse optimal behaviour in environments of perfect information, and under risk and uncertainty. In order to analyse optimal behaviour in situations where economic agents interact, basic concepts of game theory are introduced. The main focus of the course is the application of the theory to business and management situations. Topics may include investment, pricing, bargaining, strategic capacity choice, and coordination.

ECON 7065

Public Economics (H)

- 4 units - semester 2
- 2 hour lecture, 1 hour workshop per week
- Assumed Knowledge: ECON 7025 Microeconomics A(H)
- Assessment: assignments, final exam

This course deals with more recent advances in Public Economics. The course has two main parts: Regulation and Taxation under Incomplete Information and Political Economy. In the first part we explore how governments that are seeking to maximize social welfare should regulate and tax industries if firms have private information about some of their characteristics. Contract theoretical tools are developed in order to analyse this. In the second part we cover topics in modern Political Economy Theory. Covered topics may include: Lobbying, corruption, the role of constitutions, and public choice.

ECON 7067

Economic Development

- 3 units - semester 1
- 2 hour lecture a week
- Prerequisite: ECON 7096 Economic Theory IIID or ECON 7095 Economic Theory IIIA or ECON 7089 Development Economics IIID or ECON 7058 Development Economics IIIA
- Assessment: take-home assignment 33.33% , final exam 66.66%

This course will focus on theories of economic growth, with particular emphasis on the new growth theories of the last dozen years and their application to East Asian economic development.

ECON 7069

International Trade IIIA

- 4 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: mid-term test, final exam, tutorial presentations

This course deals with the theory and practice of international trade and of trade-related policies. It focuses on analysing the gains from trade, the changing patterns of trade, the income distributional consequences of liberalising foreign trade, the relationship between trade, investment, and economic growth, and the reasons for and consequences of trade policies.

ECON 7070

Labour Economics IIID

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: two midterms 25% each, final exam 50%

This course is designed to introduce students to economic models of the labour market, both theoretical and empirical. Illustrations from current policy debates are used. After completing this course, students will be able to describe key features of the labour market, analyse models of the labour market in order to make predictions concerning the impact of public policy recommendations, and evaluate existing data relating to these predictions. Topics include the supply of labour and accumulation of human capital; the demand for labour in competitive and non-competitive markets; the determination of equilibrium wages; wage discrimination; labour unions; and policies such as minimum wage laws, welfare reform, and trade.

ECON 7071

Macroeconomic Theory & Policy IID

- 3 units - semester 1 or 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: introductory macroeconomics
- Assessment: tutorial performance, mid-term exam, final 3 hour exam

The first year macroeconomics course provided a broad overview of the subject area. The aim is to delve a little deeper into the subject. Macroeconomics is concerned with the behaviour of the economy as a whole. In particular it addresses the big issues which affect us on a day to day basis. As macroeconomists we want to know why some countries grow more quickly than others, why some experience high inflation while others have stable prices and why all countries experience recessions and booms. Furthermore, we want to know if government policy can have an impact on these factors. The aim of Macroeconomics IID is to provide these tools and give a deeper understanding of these issues. It is intended that this course leads on from the first year macroeconomics course and provides a smooth transition for those intending to pursue macroeconomics in later years.

ECON 7072

International Trade IIID

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: mid-term test, final exam, tutorial presentations

This course deals with the theory and practice of international trade and of trade-related policies. It focuses on analysing the gains from trade, the changing patterns of trade, the income distributional consequences of liberalising foreign trade, the relationship between trade, investment, and economic growth, and the reasons for and consequences of trade policies.

ECON 7074

Business Data Analysis ID

- 3 units - semester 1 or 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: basic algebra & calculus
- Assessment: tutorials, assignments, mid semester test, final exam

This introductory course covers collecting and organising data, drawing conclusions and commenting intelligently on the statistical results obtained. Topics include descriptive statistics, correlation and simple regression, index numbers, time series analysis and an introduction to the use of probability in formal statistical inference. Students are taught how to access a statistical database, and how to use EXCEL to do the statistical calculations.

ECON 7075

Mathematical Economics IID

- 3 units - semester 1
- 2 lecture, 1 tutorial per week
- Assumed Knowledge: principles of microeconomics & macroeconomics
- Assessment: exam, test

This course concentrates on the basic mathematical methods that are required to understand current economics and to investigate economic models. Topics may include optimisation with and without constraints; linear models; matrix algebra and introductory game theory.

ECON 7076

Australian Economic History IID

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: principles of microeconomics & macroeconomics
- Assessment: tutorial work, essay, exams

The course covers the development of the Australian economy viewed in a comparative perspective. Emphasis is given to topics which provide relevant background to Australia's recent economic performance and current policy issues. These include structural changes, factor market performance, economic growth and fluctuations, governments and markets, regional disparities, international economic influences and economic well-being.

ECON 7077

Economic Development (H)

- 4 units - semester 2
- 2 hour lecture a week
- Prerequisite: ECON 7096 Economic Theory IIID or ECON 7095 Economic Theory IIIA or ECON 7089 Development Economics IIID or ECON 7058 Development Economics IIIA
- Assessment: take-home assignment 33.33%, final exam 66.66%

This course will focus on theories of economic growth, with particular emphasis on the new growth theories of the last dozen years and their application to East Asian economic development.

ECON 7082

Applied Econometrics IIIA

- 4 units - semester 1
- 2 lectures, 1 tutorial per week
- Prerequisite: ECON 7051 Economic & Financial Data Analysis IID or equivalent
- Assessment: final exam, tutorial participation, performance, project using techniques developed

The course aims to develop an understanding of standard econometric methods, a capacity to formulate research problems so that they are amenable to quantification and a capacity to assess empirical research in economics critically. Tutorials will involve applications of econometric methods which use packaged programs.

ECON 7084
Master of Applied Economics Dissertation

- 12 units - semester 1 or 2
- Eligibility: Master of Applied Economics students only
- Assessment: dissertation

Each student is to undertake an individual research project that exhibits original investigation, analysis and interpretation. Length of dissertation will be determined in conjunction with the candidate's Supervisor and the Head of School.

ECON 7086
Advanced Macroeconomics

- 3 units - semester 1
- 4 hour lecture
- Prerequisite: ECON 7059 Macroeconomics A (H)
- Assessment: 2 tests, final exam

This course presents an in depth analysis of modern macroeconomic theory. The course provides an advanced overview of the field as well as a rigorous analysis of the field's foundations. Students who do not necessarily intend to specialise in macro-economics are thereby exposed to the most up to date theories, while those students who plan to pursue higher research in macro-economics are well equipped with the latest techniques and know how. Topics to be discussed include: Why are some countries so rich while others are so poor? Why and how do countries grow? What are the sources of business cycles? What are the sources of inflation and unemployment? And what is the role of government policy in all of this?

ECON 7087
Advanced Microeconomics

- 3 units - semester 2
- 4 hour lecture
- Prerequisite: ECON 7025 Microeconomics A (H)
- Assessment: assignments, final exam

This course deals with more recent advances in microeconomic theory with emphasis on non-cooperative game theory and its applications, transactions in which asymmetric information plays a role and the theory of market failure. Topics to be covered may include some or all of the following: static and dynamic models of oligopoly, adverse selection, signaling games, principal agent problems and general equilibrium theory.

ECON 7088
Strategic Thinking for Decision Making IIIA

- 4 units - semester 2
- 2 hour lecture, 1 hour workshop per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: assignments, final exam

This course covers topics in rational decision-making. Basic decision theory is used to analyse optimal behaviour in environments of perfect information, and under risk and uncertainty. In order to analyse optimal behaviour in situations where economic agents interact, basic concepts of game theory are introduced. The main focus of the course is the application of the theory to business and management situations. Topics may include investment, pricing, bargaining, strategic capacity choice, and coordination.

ECON 7089
Development Economics IIIA

- 4 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: exam, work completed during course

The course is concerned with the economics of less-developed countries. Topics to be discussed include: the meaning and measurement of development, demographic change, trade, industrialisation, foreign aid and investment, poverty and income distribution, agricultural development and relevant growth theories.

ECON 7090
Econometrics A

- 3 units - semester 1
- 2 hour lecture a week
- Prerequisite: ECON 7001 Applied Economics IIID or ECON 7082 Applied Economics IIIA or ECON 7022 Econometrics IIID or ECON 7038 Econometrics IIIA
- Assessment: assignments, final exam

This course has two objectives: to equip students for carrying out applied econometric research, and to provide students with sufficient theoretical background that they recognise models as fitting within a common body of principles. The first part of the course will cover basic techniques in regression analysis. Discussion of the issues that arise in estimating models will be motivated by economic applications. The second half of the course will cover some of the rich variety of models that are often used when the linear model proves inadequate or inappropriate. These include models for discrete dependent variables, (probit, logit, multinomial logit, ordered probit), and limited dependent variables models for truncated and censored samples. These econometric

models will be motivated by economic applications, with particular reference to labour economics and health economics.

ECON 7091

Econometrics B

- 3 units - semester 2
- Prerequisite: ECON 7001 Applied Economics IIID or ECON 7082 Applied Economics IIIA or ECON 7022 Econometrics IIID or ECON 7038 Econometrics IIIA
- Assessment: assignments, final exam

This course will introduce a wide range of techniques that are commonly used for modelling and forecasting in applied finance and economics. The first half of the course will cover topics like forecast appraisal, Box-Jenkins methods, lag order selection and a discussion of Hendry's approach to applied data analysis. Concepts such as unit roots and cointegration will also be introduced. The second half of the course will build on the first half but will be more theoretical in nature. It will cover asymptotic theory of cointegration tests, VARs, ECMs, Johansen's methodology, ARCH/GARCH models, stochastic and random coefficient models.

ECON 7093

Econometrics B (H)

- 4 units - semester 2
- Prerequisite: ECON 7001 Applied Economics IIID or ECON 7082 Applied Economics IIIA or ECON 7022 Econometrics IIID or ECON 7038 Econometrics IIIA
- Assessment: assignments, final exam

This course will introduce a wide range of techniques that are commonly used for modelling and forecasting in applied finance and economics. The first half of the course will cover topics like forecast appraisal, Box-Jenkins methods, lag order selection and a discussion of Hendry's approach to applied data analysis. Concepts such as unit roots and cointegration will also be introduced. The second half of the course will build on the first half but will be more theoretical in nature. It will cover asymptotic theory of cointegration tests, VARs, ECMs, Johansen's methodology, ARCH/GARCH models, stochastic and random coefficient models.

ECON 7095

Economic Theory IIIA

- 4 units - semester 2
- 2 lectures, 1 tutorial per week
- Prerequisite: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: test, exam

This course deals with additions to, and extensions of aspects of economic theory covered in ECON 2011 Macroeconomics II and ECON 2009 Microeconomics II. Topics covered include general equilibrium and welfare economies, extensions of consumption and production theory, open economy models, the role of wealth, expectations, government budget and quantity constraints, game theory.

ECON 7096

Economic Theory IIID

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Prerequisite: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: test, exam

This course deals with additions to, and extensions of aspects of economic theory covered in ECON 2011 Macroeconomics II and ECON 2009 Microeconomics II. Topics covered include general equilibrium and welfare economies, extensions of consumption and production theory, open economy models, the role of wealth, expectations, government budget and quantity constraints, game theory.

ECON 7099

International Economic History IIIA

- 4 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID
- Assessment: tutorial work, essay, exams

The course surveys the evolution of the international economy in the 20th century. Attention is given to the development of world trade and trade policies, the international monetary system, international capital movements, the interwar depression, the postwar boom and the first and second periods of 'globalisation'. An examination is made of selected topics from the historical experience of the major industrial economies, especially the United States, which are relevant to an understanding of their current economic problems.

ECON 7100

International Finance IV

- 3 units - semester 1
- 2 hour lecture a week
- Prerequisite: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID or ECON 7044 International Finance IIID or ECON 7007 International Finance IIIA
- Assessment: mid-term 30%, final exam 70%

This course deals with the analysis of two important and related issues in open economies: the exchange rate and the capital flows. The objectives of the course are two-fold: 1) to introduce main concepts, principles and models in the theory and empirical studies in those two key areas of International Finance; 2) to apply

the analytical tools to understand the relevant policy issues in the global markets. Based on additional reading materials (both from various economic journals and The Economist (a weekly magazine)), discussions on relevant current events from various parts of the globe will be carried out.

ECON 7102

International Trade

- 3 units - semester 1
- 2 hour lecture a week
- Prerequisite: ECON 7011 Consumers, Firms & Markets IID, ECON 7071 Macroeconomic Theory & Policy IID or ECON 7072 International Trade IIID or ECON 7069 International Trade IIIA
- Assessment: 90 min. mid-semester exam 30% (redeemable), 3 hour final exam 70% (or 100% if better than mid-sem grade)

This course seeks to provide the tools necessary to obtain a clear understanding of what determines the way international trade patterns evolve through time as economies grow. That requires drawing on and strengthening our knowledge of (a) trade and growth theories, (b) the economics and political economy of foreign trade and investment policies, and (c) quantitative modelling of global trade flows.

ECON 7103

Labour Economics

- 3 units - semester 2
- Assumed Knowledge: ECON 7096 Economic Theory IIID or ECON 7095 Economic Theory IIIA, and either ECON 7001 Applied Econometrics IIID or ECON 7082 Applied Econometrics IIIA
- Assessment: two mid-terms 25% each, research proposal 50%

This seminar-style course is designed to engage students in the advanced study of labour markets. After completing the course, students will be able to critically evaluate the current literature and propose research designs of their own. The course will focus on recent empirical applications and tests of theoretical predictions. Sessions will be organised in a round-table format. Topics will include: the supply of labour and its interaction with health status; the accumulation of general and job-specific human capital; the demand for labour in competitive and non-competitive markets; the determination of equilibrium wages including search models and provision of fringe benefits; identification of wage discrimination; minimum wage laws; and labour mobility/migration.

ECON 7104

Labour Economics (H)

- 4 units - semester 2
- Assumed Knowledge: ECON 7096 Economic Theory IIID or ECON 7095 Economic Theory IIIA, and either ECON 7001 Applied Econometrics IIID or ECON 7082 Applied Econometrics IIIA
- Assessment: two midterms 25% each, research proposal 50%

This seminar-style course is designed to engage students in the advanced study of labour markets. After completing the course, students will be able to critically evaluate the current literature and propose research designs of their own. The course will focus on recent empirical applications and tests of theoretical predictions. Sessions will be organised in a round-table format. Topics will include: the supply of labour and its interaction with health status; the accumulation of general and job-specific human capital; the demand for labour in competitive and non-competitive markets; the determination of equilibrium wages including search models and provision of fringe benefits; identification of wage discrimination; minimum wage laws; and labour mobility/migration.

ECON 7105

Labour Economics IIIA

- 4 units - semester 1
- 2 lectures, 1 tutorial per week
- Prerequisite: ECON 7011 Consumers, Firms & Markets IID
- Assessment: two mid-terms 25% each, final exam 50%

This course is designed to introduce students to economic models of the labour market, both theoretical and empirical. Illustrations from current policy debates are used. After completing this course, students will be able to describe key features of the labour market, analyse models of the labour market in order to make predictions concerning the impact of public policy recommendations, and evaluate existing data relating to these predictions. Topics include the supply of labour and accumulation of human capital; the demand for labour in competitive and non-competitive markets; the determination of equilibrium wages; wage discrimination; labour unions; and policies such as minimum wage laws, welfare reform, and trade.

ECON 7106

Long Run Growth

- 3 units - semester 1
- 2 hour lecture a week
- Eligibility: students are advised to consult Lecturer in Charge
- Assessment: mid-term essay 25%, 3 hour final exam 75%

This course examines the evidence of, and leading explanations for, economic growth in the advanced countries over the long run. Both historians' and economists' contributions to the analysis of economic growth are considered, but emphasis is placed on the enhanced insight which may be derived from historical inquiry. Topics covered include a survey of economists' writings on growth and convergence; case studies of long run growth and decline (including Britain, the US south, Argentina); and wider perspectives on growth (including the role of natural resources, technology, institutions, interest groups, and cultural factors).

ECON 7108

Master of Economics Research Project A

- 6 units - semester 1 or 2
- Eligibility: Master of Economics (Coursework) students only
- Assessment: project - approx. 10000 words

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

ECON 7109

Master of Economics Research Project B

- 3 units - semester 1 or 2
- Eligibility: Master of Economics (Coursework) students only
- Assessment: project - approx. 5000 words

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

ECON 7110

Mathematical Economics

- 3 units - semester 1
- 2 hour lecture a week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: weekly assignments 20%, mid-semester exam 20%, final exam 60%

This course deals with dynamic economic models. The main technical tool is optimal control. Some familiarity with multivariable calculus and some knowledge of integrals are desirable. A sound knowledge of intermediate microeconomics is also expected. There are no other prerequisites but it is strongly recommended that all students intending to enrol in this class attend the Maths Review which is presented during the two weeks preceding the start of semester one. The first part of the course will be spent on a slow introduction to optimal control with applications to resource economics. The second part will deal with the 'new' growth theory, or endogenous growth, and will thus attempt to explain several mechanisms at the origin of economic growth as well as studying policies which could enhance it.

ECON 7113

Money, Banking and Financial Markets IIIA

- 4 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: mid-term tests, final exam, assignments

This course links the fields of macroeconomics and finance. It provides coverage of economic principles that underlie the operation of banks and other financial institutions. The role of money in the economy and the impact of monetary policy on the macroeconomy are emphasised, as is understanding the foreign exchange market and some basics of international finance. More broadly, this course will develop simple economic tools which will allow students to systematically analyse some of the important monetary and financial problems and developments in the world economy (such as crises in emerging economies).

ECON 7114

Money, Banking and Financial Markets IIID

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: mid-term tests, final exam, assignments

This course links the fields of macroeconomics and finance. It provides coverage of economic principles that underlie the operation of banks and other financial institutions. The role of money in the economy and the impact of monetary policy on the macroeconomy are emphasised, as is understanding the foreign exchange market and some basics of international finance. More broadly, this course will develop simple economic tools which will allow students to systematically analyse some of the important monetary and financial problems and developments in the world economy (such as crises in emerging economies).

ECON 7115

Public Economics

- 3 units - semester 2
- 2 hour lecture, 1 hour workshop
- Assumed Knowledge: ECON 7025 Microeconomics A (H).
- Assessment: assignments, final exam

This course deals with more recent advances in Public Economics. The course has two main parts: Regulation and Taxation under Incomplete Information and Political Economy. In the first part we explore how governments that are seeking to maximize social welfare should regulate and tax industries if firms have private information about some of their characteristics. Contract theoretical tools are developed in order to analyse this. In the second part we cover topics in modern Political Economy Theory. Covered topics may include: Lobbying, corruption, the role of constitutions, and public choice.

ECON 7116

Public Economics IIIA

- 4 units - semester 1
- Assumed Knowledge: ECON 7011 Consumers, Firms & Markets IID
- Assessment: exam, other assessments

This course investigates the role of the public sector in the economic arena. We will attempt to explain why government intervention is needed, how it influences the behaviour of the private sector, what the welfare effects of such influences are, and

so on. We will also survey political economy, which regards actions of the public sector as determined by a political process. Topics covered will include welfare economics, market failures, tax and expenditure, and political economy.

ECON 7117

Reading Topics A

- 3 units - semester 1 or 2
- Eligibility: Master of Economics (Coursework) students only

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

ECON 7118

Reading Topics B

3 units - semester 1 or 2

- Eligibility: Master of Economics (Coursework) students only

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

ECON 7123

Special Topics in Economics

- 3 units - semester 1 or 2
- Eligibility: Master of Economics (Coursework) students only

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

ECON 7126

Master of Applied Economics International Dissertaion

- 12 units - semester 1 or 2
- Eligibility: Master of Applied Economics (International) students only
- Assessment: dissertation

Each student is to undertake an individual research project that exhibits original investigation, analysis and interpretation. Length of dissertation will be determined in conjunction with the candidate's Supervisor and the Head of School.

ECON 7127

M App Ec International Dissertation (Part Time)

- 12 units - full year
- Eligibility: Master of Applied Economics (International) students only
- Assessment: dissertation

Each student is to undertake an individual research project which exhibits original investigation, analysis and interpretation. Length of dissertation will be determined in conjunction with the candidate's Supervisor and the Head of School.

ECON 7129

Master of Applied Economics Dissertation (Part-time)

- 12 units - full year
- Eligibility: Master of Applied Economics students only
- Assessment: dissertation

Each student is to undertake an individual research project which exhibits original investigation, analysis and interpretation. Length of dissertation will be determined in conjunction with the candidate's Supervisor and the Head of School.

ECON 7134

Master of Economics Research Project A (Part-time)

- 6 units - full year
- Eligibility: Master of Economics (Coursework) students only
- Assessment: project- approximately 10000 words

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

ECON 7135

Master of Economics Research Project B (Part-time)

- 3 units - full year
- Eligibility: Master of Economics (Coursework) students only
- Assessment: project - approximately 5000 words

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

ECON 7141

Challenges Facing Economic Policy Makers

- 4 units - semester 1 or 2
- Eligibility: Master of Applied Economics & Master of Applied Economics (International) students only
- Assessment: tutorials, group projects and exam

The course deals with controversial aspects of economic policy faced by governments. The course will be issues focused and topics covered will depend on developments in the world economy with particular emphasis on the Australasian region. Topics will range across industry level issues to monetary, fiscal, exchange rate and trade policies.

ECON 7200

Economic Principles (M)

- 3 units - semester 1 & 2
- 3 hour seminar
- Restriction: not available to students enrolled in economics postgraduate coursework programs
- Assessment: exam, written assignments, case study analyses, group or individual projects as determined at first lecture

The purpose of this module is to enable the student to understand economic events, analyse their impact on the financial markets and financial instruments, and propose appropriate courses of action. To do this, the student should understand the basic principles of macroeconomics and microeconomics and be conversant with the various economic indicators used. Also, the student should be able to utilise the tools of economic analysis to perform company and industry competitive analysis.

Education

EDUC 4001A/B

Accounting Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in Level II or III accounting course

EDUC 4002A/B

Adult Learner Curriculum and Methodology

- 2 units - full year
- subject to staffing
- Pre/corequisite: 6227 Student-Teacher Interaction in the Classroom

EDUC 4003A/B

Biology Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in a Level III biological science course
- Pre/corequisite: EDUC 4024 Junior Science Curriculum and Methodology

EDUC 4004A/B

Business Studies Curriculum & Methodology

- 2 units - full year
- Prerequisite: pass in Level II or III business course

EDUC 4005A/B

Chemistry Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in a Level III biological science course
- Pre/corequisite: EDUC 4024 Junior Science Curriculum and Methodology

EDUC 4006A/B

Chinese Curriculum and Methodology

- 2 units - full year
- Prerequisite: Pass at Level III Chinese or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4007A/B

Classroom Music Curriculum and Methodology

- 3 units - full year
- Prerequisite: degree in Music or a pass in Level III music course

EDUC 4009A/B

Economics Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in Level II or III economics course

EDUC 4010A/B

English as a Second Language Curriculum & Method

- 2 units - full year
- Prerequisite: Pass in Linguistics at level II or III, or equivalent.
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4011A/B

Extended Specialist Curriculum Part 1

- 2 units - full year
- Restriction: only with the agreement of Head of School

EDUC 4012A/B

French Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass at Level III French or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4013A/B

General English Curriculum & Methodology

- 2 units - full year
- Prerequisite: pass in Level II or III English course

EDUC 4014A/B

Geography Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in Level III geography course - in certain circumstances students with Level II geography courses may be accepted
- Pre/corequisite: EDUC 4034 Studies of Society and Environment

EDUC 4015A/B

German Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass at Level III German or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4016A/B

History Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in Level III history course. -in certain circumstances students with Level II history courses may be accepted
- Pre/corequisite: EDUC 4034 Studies of Society and Environment

EDUC 4017A/B

Indonesian Curriculum and Methodology

- 2 units - full year
- Prerequisite: Pass at Level III Indonesian or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4018A/B

Information Technology Curric and Method

- 2 units - full year
- Subject to staffing
- Prerequisite: pass at Level III Computer Studies

EDUC 4019A/B

Instrumental Music Curriculum & Methodology

- 3 units - full year
- Prerequisite: degree in Music, or a pass in Level III music course, plus recognised instrumental qualifications
- Pre/corequisite: EDUC 4007 Classroom Music Curriculum and Methodology

EDUC 4021A/B

Italian Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass at Level III Italian or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4022A/B

Japanese Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass at Level III Japanese or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4023A/B

Junior Mathematics Curriculum & Methodology

- 2 units - full year
- Prerequisite: pass in Mathematics I or equivalent

EDUC 4024A/B

Junior Science Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in two Level I physical and biological sciences courses

EDUC 4025A/B

Language Methodology

- 3 units - full year
- Prerequisite: pass in a Level III language other than English course

EDUC 4026A/B

Legal Studies Curriculum and Methodology

- 2 units - full year
- Subject to staffing
- Prerequisite: pass in Level II or III law or legal studies courses
- Pre/corequisite: EDUC 4034 Studies of Society and Environment

EDUC 4028A/B

Physics Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in Level III physics course
- Pre/corequisite: EDUC 4024 Junior Science Curriculum and Methodology

EDUC 4032A/B

Senior English Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in Level III English course or equivalent
- Pre/corequisite: EDUC 4013A/B General English Curriculum and Methodology

EDUC 4033A/B

Senior Mathematics Curriculum & Methodology

- 2 units - full year
- Prerequisite: pass in Level III mathematics course
- Pre/corequisite: EDUC 4023 Junior Mathematics Curriculum and Methodology

EDUC 4034A/B

Studies of Society and Environment

- 2 units - full year
- Prerequisite: pass in Level II or III Anthropology, Classical Studies, Economics, Geography, History, Law, Politics or other approved course

EDUC 4035

Families, Schools and Students' Outcomes

- 2 units - semester 1
- 2 hours per week
- Assessment: 2000 word essay

This course will examine family and school learning environments, as well as issues of gender and religion, as they affect students' learning outcomes at school.

EDUC 4036A/B

Spanish Curriculum & Methodology

- 2 units - full year
- Prerequisite: pass at Level III Spanish or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4038A/B

Other Language Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass in the appropriate language at Level III or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4039

Educational Psychology A

- 2 units - semester 1
- 3 hours per week
- Assessment: practical exercises and written assignments

This course introduces various psychological approaches used in secondary education. Connection is made between these approaches and the practical strategies required for competence in the classroom environment.

EDUC 4043A/B

Vietnamese Curriculum and Methodology

- 2 units - full year
- Prerequisite: pass at Level III Vietnamese or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4044A/B

Geology Curriculum and Methodology

- Subject to staffing

EDUC 4050

Teaching Practice Part I

EDUC 4051

Teaching Practice Part II

- 3 units - semester 1 or 2
- Pre/corequisite: at least one Curriculum and Methodology course

Students will undertake one block of supervised teaching practice. Students who successfully complete the course are given a non-graded pass.

EDUC 4082A/B

Psychology Curriculum and Methodology

- 2 units - semesters 1 & 2
- 2 hours per week
- Prerequisite: Major in Psychology or equivalent
- Assessment: practical assignments and essays

This course will introduce students to the new year 11 and 12 SACE Curriculum in Psychology and discuss appropriate learning methodologies for teaching it.

EDUC 4083

Curriculum Frameworks

- 2 units - semester 1
- 4 hours per week
- Assessment: ICT based assignment

This course introduces students to the various curriculum frameworks currently used for teaching in secondary schools in South Australia, as well as recent developments in State and National curricula. There is a special focus on the role of ICT in the planning and delivery of curriculum in the classroom.

EDUC 4084

Curriculum Perspectives

- 2 units - semester 2
- 3-4 hours per week
- Assessment: 1000 word essay or assignment, group presentation

This course will introduce students to examples of curriculum perspectives which are being put into practice in different schools. In the second part of the semester, they will be able to choose to focus on one theoretical and one practical topic from a number of options announced at the beginning of the semester.

EDUC 4085

Educational Psychology B

- 2 units - semester 2
- 3 hours per week
- Assessment: practical exercises and written assignments

This course deepens psychological understanding for secondary education in the areas of learning theory, student characteristics and the positive classroom environment.

EDUC 4086

Culture, Education and Society

- 2 units - semester 2
- 2 hours per week
- Assessment: 2000 word essay

This course will introduce students to different models of society and the way they influence educational policy. In particular, a consideration of various models of culture will lead to issues of cultural and linguistic pluralism in education.

EDUC 4087 A/B

Modern Greek Curriculum and Methodology

- 2 units - semesters 1 & 2
- Prerequisite: Major in Modern Greek or equivalent
- Pre/corequisite: EDUC 4025 Language Methodology
- Assessment: practical assignments, essays

In this course, students will be introduced to current curriculum frameworks and learning methodologies in the teaching of Modern Greek from years 8 -12.

EDUC 4401

University Teaching for Effective Student Learning

- 3 units - semester 1 or 2
- 24 hours contact & estimated 96 hours non-contact
- Eligibility: Grad. Cert.Higher Educ. students only
- Assessment: 2 x 15 minute oral presentations, project report; non-graded pass

Using your current experiences in learning and teaching in higher education, this course will provide you with the opportunity to develop your understanding of student learning and its relationship with good teaching.

The concept of the scholarship of teaching will be explored and practical aspects of such teaching will be presented. The current Teaching at University course is a good indicator of the course outline. Participants will undertake a limited project within their area of interest in teaching. Capabilities in large and small group teaching, and in the use of Information and Communication Technology in teaching will be developed.

EDUC 4402

Curriculum Design, Assessment and Evaluation

- 3 units – semester 1
- 24 hours contact & estimated 96 hours non-contact
- Eligibility: Grad. Cert.Higher Educ. students only
- Assessment: 2 x 15 minute oral presentations, 2 x 2000 word assignments (or equivalent - one assignment could be scholarly paper or website); non-graded pass

This course will provide opportunities for participants to further develop their skills in curriculum design, including the use of aims and objectives in conjunction with appropriate student learning activities to improve assessment outcomes. The course also assists participants to develop a deeper understanding of the impact assessment has on student learning, how information and communication technologies can be used to improve student learning and how to effectively use peer and student evaluations to analyse the learning and teaching environment. The course will provide opportunities for group interactions that assist participants translate theoretical principles into practical outcomes.

EDUC 4403

Reflective Practice in Learning and Teaching

- 3 units - semester 2
- 24 hours contact & estimated 96 hours non-contact
- Eligibility: Grad. Cert.Higher Educ. students only
- Assessment: 2 x 20 minute oral presentations, 2000 word assignment, reflective critique of 2 teaching sessions; non-graded pass

This course allows participants to develop a deeper insight into their own teaching practice from a student learning perspective. It develops strategies that they may use to initiate quality improvement in their teaching and in student learning. Group based interactions with other participants will be an important component of the course, as will the ability to use peer feedback to initiate change. Participants will develop skills in undertaking peer reviews themselves and providing critical feedback to others on their teaching.

EDUC 4404

Research Based Learning and Teaching

- 3 units - not offered in 2005
- 12 hours contact & estimated 108 hours non-contact
- Eligibility: Grad. Cert.Higher Educ. students only
- Assessment: 2 x 20 minute oral presentations, project report; non-graded pass

This unit will develop the concept of learning and teaching in a research-based university. The research basis for reflective practice in learning and teaching will be discussed, and the concepts associated with the research basis for the scholarship of teaching will be extended from the earlier University Teaching for Effective Student Learning course. An extensive project within the participants' area of interest in teaching will be undertaken.

EDUC 5002

Education Directed Study (2 unit)

- Contact Department for further details

EDUC 5005

Education Directed Study (3 unit)

- 3 units - semester 1 or 2
- Contact Department for further details.

EDUC 5006

Education Directed Study

- 4 units - semester 1 or 2
- 2 hours per week
- Restriction: with permission of Head of Department
- Assessment: essay/s to a total of 6000 words

This course will allow candidates to pursue an independent project or area of investigation developed in collaboration with a supervisor.

EDUC 5007

Education in Multilingual Settings

- 4 units - semester 1
- 2 hours a week
- Assessment: 2 x 3000 word essays; seminar paper

The course will consider basic concepts from the sociology of language in the work of scholars such as Haugen and Fishman. Attention will be focused on recent studies of bilingualism and biliteracy within their regional contexts, with special reference to the 'lesser used' languages of Europe, Asia, North America. Scholars whose research will be considered include Lambert, Giles, Clyne, Cummins, Skutnabb-Kangas, Paulston and Andersson. Emphasis will be placed on the role of the school in helping to maintain and/or acquire bilingualism and early biliteracy, especially through Australian educational systems.

EDUC 5011

Families, Schools and Students' Outcomes

- 4 units - not offered in 2005
- 2 hours seminars a week
- Assessment: seminar participation, 2 x 3000 or 6000 word essay

If our understanding of variations in students' outcomes is to be enhanced then it is important that we increase our understanding of the intricate nature of the relations between learning environments and students' outcomes. It is the purpose of this course to examine theoretical orientations and empirical studies that have investigated the complexities of the associations among families, schools and outcomes for students in differing social contexts.

EDUC 5012

Gender, Education and Social Change

- 4 units - not offered in 2005
- 2 hours of seminars a week
- Restriction: 3487 Class, Gender and Schooling in Australia
- Assessment: seminar participation; 2 x 3000 word essays

This course analyses the ways in which formal education has contributed to the definition and transmission, or transformation, of gender roles and gender identities in Australia since the eighteenth century. It aims to provide a crucial historical perspective to current issues in our education system concerning the nature of femininity and masculinity and the relations between the sexes. Recent historical research and theoretical scholarship have re-assessed the changes in women's education since the nineteenth century and the related changes in their social roles. Very recently, the implications of our understanding of masculinity have begun to be investigated. The varying religious ideals of womanhood and manhood pursued in church schools will be pursued as well as the changing gender assumptions embodied in the policies and organisation of the state education system.

EDUC 5013A/B

Honours Mathematics (Education)

- 8 units - full year
- Prerequisite: qualification in Mathematics acceptable to Dept of Education & relevant departments in Mathematical Sciences - prospective students should consult with Education Mathematics program coordinator before enrolling
- Restriction: not presented unless EDUC 5017 Mathematics Education is also presented
- Assessment: see relevant Mathematics unit

Three courses not already passed, from those offered in Honours in Applied Mathematics, Computer Science, Pure Mathematics, Statistics or Mathematical Physics.

EDUC 5017

Mathematics Education

- 4 units - semester 1
- 2 hours seminars a week
- Prerequisite: pass in Level III Mathematics course or other qualification accepted by Education Department
- Assessment: essays and assignments

A study of current research and theory in mathematics education.

EDUC 5018

Multicultural Society and Educational Policy

- 4 units - semester 2
- 2 hours per week
- Assessment: 2 x 3000 word essays, seminar paper

The theoretical framework of this course is provided by humanistic sociology. This is extended to social systems and developed in relation to ethnically plural societies. The key concepts are those of core values of different cultures, and personal cultural systems that individuals construct from the group values that are provided for them in society. Alternative orientations to cultural and structural pluralism are examined with special reference to curriculum and school organisations. Future cultural outcomes are then related to educational policy.

EDUC 5019

Qualitative Approaches to Educational Research

- 4 units - semester 2
- 2 hour seminar a week
- Assessment: seminar participation, practical data collection, development of research proposal or essay - total 6000 words

This course is designed to provide students with an overview of qualitative research approaches. In addition to considering various theoretical frameworks and methodological approaches, there will be a focus on practical aspects of setting up research projects through the stages of formulating a proposal, preparing a budget, collecting and analysing data, writing up results and formally presenting the thesis.

EDUC 5020

Quantitative Educational Research

- 4 units - semester 1
- 2 hours of seminars a week
- Assessment: analysis of data, presentation in form of research article

The course examines the use of quantitative methods in educational research. In particular, regression techniques such as multiple regression and path analyses are discussed. The course will be taught in the computer laboratory where students will work through a set of exercises using the SPSS program.

EDUC 5021

Religion, Education and Social Change

- 4 units - not offered in 2005
- 2 hours of seminars a week
- Assessment: seminar participation, 2 x 3000 word essays

This course analyses the ways in which religion and education have and do intersect in Australian society. It aims to provide a critical historical perspective to the current issues in our education system, particularly focusing on government funding to non-government schools and the Federal government's latest policy. Other areas of study will be the emergence of denominational schools in the 19th century and the controversies surrounding the education acts; the varying responses of religious groups; the reasons for the emergence of large numbers of low fee paying schools in the 20th century; and the diverse religious gender roles both past and present. Student response to their religious school environment particularly in terms of curriculum and teachers will be canvassed. Personal research into archival materials will be encouraged, and various theoretical perspectives on these issues presented.

EDUC 5022

Classroom Voices, Contexts and Cultures

- 4 units - semester 1
- 2 hours of seminars a week
- Assessment: 6000 word essay or 2 x 3000 word essays

Moving away from policy studies and school rhetoric, this research-based course will canvass aspects linked to learners in their learning environment. Initially the history of the classroom will be outlined. Other issues which will be developed are class, gender, race and religion in past and current classrooms. There will be an opportunity to investigate student and teacher voice from classrooms, the community as a classroom, and the influence of architecture on classroom learning and teaching. In addition, classroom cultures and cliques, and their psychological and sociological ramifications will be examined. The course will focus on the emergence of new research methodologies and the possibility of using an interdisciplinary approach in the examination of these issues.

EDUC 5026

Introduction to Statistics in Educational Research

- 4 units - not offered in 2005
- 2 hours seminars a week
- Assessment: course work, exam - ass, but no higher grade, may be obtained on coursework assessments only

This course will provide students with an introduction to the use of statistics in educational research. Emphasis will be placed on students achieving an understanding of the statistical procedures considered so that they can think critically about suitable

procedures for the collection and analysis of data, and about the educational usefulness of calculated statistics. Students will gain experience with using the SPSS package on computers.

EDUC 5028

Neuroscience and Education

- 4 units - semester 2
- 2 hours seminars a week
- Assessment: 6000 word essay

Learning is central to education. Research in neuroscience is having an increasing impact on our understanding of learning. By looking at the brain, scientists are studying the very complex processes that underpin our speech and language, thinking and reasoning, reading and mathematics. This course explores the meaningful links such research offers between the complex brain processes and the actions of our mind. We are particularly concerned with how these links may improve the daily practices of educators.

EDUC 5500

Education Minor Project

- 4 units - semester 1 or 2
- Self-directed study under supervision.

This course consists of a survey and review of the literature relating to some aspect of the theory and practice of education arising out of one of the earlier Masters course work courses completed. Students will present a topic proposal which will be discussed with a supervisor who will recommend appropriate reading. Progress will be monitored through regular discussions between the supervisor and the student.

- Assessment: 6000 word literature review

EDUC 5501

Education Research Project F/T

- 8 units - semester 1 or 2

EDUC 5502A/B

Education Research Project P/T

- 8 units - full year

This may take the form of an essay which provides evidence of the writer's ability to group, synthesise and critically assess the major issues involved in the area treated or of a minor research project which makes an original contribution to knowledge in a particular limited area. The total length should be around 12000 words.

EDUC 5505

Education Directed Study (6unit)

EDUC 5506

Curriculum Design and Evaluation in Science, Mathematics and Technology

- 8 units - semester 1 & 2
- 1 hour lecture, 1.5 hour tutorial per week
- Assessment: 1500 word critique of selected curricula/syllabus, 3000 word essay

The topic is concerned with the development of curricula and the design of instruction and the provision of learning experiences, particularly in the fields of science, mathematics and technology. It first examines the historical perspectives and evolution of science, mathematics and technology curricula. Recent development in the fields of cognitive neuroscience, neuropsychology and the specification of learning objectives are examined and their implications for multimedia approaches to learning, teaching and assessment are discussed. Consideration is also given to the teaching of values, as well as the integration of science, mathematics, technology and philosophy in the school curriculum as well as design, development and evaluation of curricula and the implementation of innovatory curricula. Curricula innovations are also discussed.

EDUC 5507

Innovations in Teaching, Learning and Assessment

- 8 units - semester 1 & 2
- 1 hour lecture, 1.5 hours tutorial per week
- Assessment: 3000 word electronic portfolio of reading/activities, 2500 word Innovations & implementation for teaching/learning assessment

The aim of the topic is to familiarise students with emerging technologies, and the theoretical, pedagogical and research-based evidence for decision making on optimising learning and enhancing teaching. The topic seeks to highlight the pertinent nexus between teaching, learning, assessment and research. This topic consists of a negotiated, inter-/trans-disciplinary and school-based project that results in creation of a Reflections Portfolio and the design and implementation of a practical (trial and evaluated) unit of work. Interoperability, portability and standards issues will be examined and discussed.

EDUC 5508

Issues in Science, Mathematics and Technology Education

- 8 units - semester 1 & 2
- 1 hour lecture, 1.5 hours tutorial per week

- Assessment: 2000 word review & synthesis of research literature, 2500 word Innovations and implementation for teaching/learning assessment

The aim of the topic is to familiarise students with the major issues and complementary research in science, mathematics and technology education. This would include reviews and critical examination of research undertaken in science, mathematics and technology education. It introduces to students the application of research for reflection and improvement of practices in science, mathematics and technology education. Students will then translate theory into practice in one or more issues that they can utilise in their own teaching. A number of emerging innovations, namely cognitive neuroscience, reflective practice, inquiry and problem-based learning, will be examined.

Engineering

Chemical Engineering

CHEM ENG 7000
Minerals Processing

- 3 units - semester 1
- Assessment: assignments, exam, project

The application of chemical engineering principles to minerals processing operations, including flotation, size reduction, gravity separation and hydrometallurgy

CHEM ENG 7004
Biochemical Engineering

- 3 units - semester 1
- Assessment: assignments, exam, project

A review of fundamentals of microbiology; the growth curve; kinetics of substrate utilisation, product formation, bio-mass production in cell cultures and inactivation (death) of cells; design and analysis of biological reactors, bio-reactors, sterilisation reactors, applications; product recovery operations; bio-process economics.

CHEM ENG 7008
Combustion Processes

- 3 units - semester 1
- Assessment: assignments, exam, project

Basic principles which form the background to combustion phenomena. Topics include explosions in closed vessels, flames and combustion waves, detonation waves in gases, combustion of hydrocarbons, combustion in mixed and condensed phases, high explosives, heating applications, combustion and the environment

CHEM ENG 7010WT
Winery Engineering III

- 3 units - semester 1
- Assessment: final exam, tutorials, project work

Application of engineering principles and practices to winemaking. Process calculations (mass and energy balances), process utilities (refrigeration, process heating and cooling), steam systems, electrical power systems, heat transfer and heat exchangers, must, juice and wine transfer methods, centrifugation and filtration, process control and instrumentation.

CHEM ENG 7012
Environmental Engineering

- 3 units - semester 1
- Assessment: assignments, exam, project

The study of air and water pollution; pollutant dispersion; control equipment; primary, secondary and tertiary waste water treatment; landfill and hazardous wastes.

CHEM ENG 7021
Special Studies in Chemical Engineering

- 3 units - semester 1 or 2
- Eligibility: Subject to approval by Head of School
- Assessment: assignments, exam, project

Courses and/or a scholarly, research or industrial project work.

CHEM ENG 7022
Chemical Engineering Management and Optimisation

- 3 units - semester 2
- Assessment: assignments, exam, project

The life cycle of a chemical processing system from the research and development behind the initial concept through process design construction and operations management. Topics covered include patents, capital investment evaluation, construction planning and control, cost planning and control, process optimisation, basic management principles and a general treatment of the structure and environment of industry.

CHEM ENG 7023
Chemical Process Simulation

- 3 units - semester 2
- Assessment: assignments, exam, project

Principles of computer-aided design and simulation of processes. A design problem is solved using industrial process computer simulation software.

CHEM ENG 7024

Process Synthesis and Integration

- 3 units - semester 1 or 2
- Assessment: assignments, project

Design and synthesis of HEN (heat exchanger networks) including evolutionary and algorithmic methods. Integration of power, work, separation waste and/or energy systems. Application to an industrial process: Flexibility and operability studies; retrofit situations.

CHEM ENG 7026

Process Design Project

- 6 units - semester 2
- Eligibility: Subject to approval by Head of School
- Assessment: assignments, exam, project

Topics comprise sources and estimation of data, costing and economic analysis of alternative proposals, the application of Process Engineering and Operations Research techniques to the selection, sizing, design and optimisation of equipment and processes (including utilities), project scheduling and control, and plant operation and safety considerations. Project: the project involves the economic comparison of alternative processes for the manufacture of a nominated chemical product, the study of a selected process, calculation of material and energy balances, preparation of flow sheets, design of selected plant items, an assessment of factors affecting plant safety, estimation of plant cost and process economics, preparation of a design report and drawing of plant lay-out.

CHEM ENG 7027

Transport Processes in the Environment

- 2 units - semester 1
- Assessment: exam 80%, assignments 20%

Introduction and basic concepts in environmental systems and processes. Environmental chemicals and properties. Thermodynamics and phase equilibria. Loss Mechanisms. Inter-media transport. Simple exchange models. Air pollution problems. Nuclear chemistry. Environmental modelling. Plume dispersion. Simple kinetic models.

CHEM ENG 7030

Process Modelling & Control

- 3 units - semester 1
- Assumed Knowledge: process control at undergraduate level
- Assessment: exam, project

The principles of process modeling particularly dynamic modeling; stability analysis and the design of control loops; state variable models and their use; typical control structures for a variety of commonly encountered processes specification of advanced controllers (e.g. dead time compensation, feed-forward, IMC, model-based control, model-based controllers); discrete-system models; specification of multi-variable control structures and de-couplers.

Engineering - Civil & Environmental

C&ENVENG 5058

Earthquake Engineering and Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials; directed study
- Eligibility: students in specified programs only, please check Academic Rules of the program in which you are enrolling
- Assessment: coursework 40%, final exam 60%

The course will cover the basic concepts of dynamic analysis of structures and the design of structures to resist earthquake loads. An introduction to the design of masonry structures will also be given. Simple examples will be used to illustrate the concepts. Practical aspects of computer analysis will be emphasised throughout the course with students using 'state-of-the-art' commercial software to solve tutorial problems. Special reference will also be made to the Australian Earthquake Code; its use, background and limitations.

C&ENVENG 5061

Environmental Science and Policy

- 2 units - semester 1
- 38 hours lectures, tutorials, practical work
- Assessment: Part A - 30 min. written exam on lecture material 40%, written reports of practical work 30%, essay 30%; Part B may include written assignments & exam - details at beginning of course

Part A - This course introduces fundamental aspects of bacterial structure, physiology and ecology. Topics covered include: characteristics and anatomy of bacterial cells; nutrition and design of growth media; fermentations; factors affecting growth of populations; sterilisation and disinfection; study of the interaction of bacteria with surfaces, and water quality and microbiology.
Part B - Introduction to the principles of microeconomics.

C&ENVENG 5062

Structural Design III (Concrete)

- 3 units - semester 2
- 48 contact hours comprising lectures, tutorials, project work
- Assumed Knowledge: undergraduate structural design principles
- Assessment: may include assignments and/or exam - details at beginning of semester

Detailed design and retrofitting and rehabilitation procedures for multi-storey reinforced concrete structures including beams, slab systems and columns. Students will undertake substantial design projects to apply lecture material.

C&ENVENG 5063
Structural Design III (Steel)

- 3 units - semester 1
- 48 contact hours comprising lectures, tutorials, project work
- Assumed Knowledge: undergraduate structural design principles
- Assessment: may include assignments and/or exam - details at beginning of semester

Detailed design procedures for multi-storey steel and composite structures including composite slabs, steel beams, composite beams and steel columns. Students will undertake substantial design projects to apply lecture material.

C&ENVENG 5064
Environmental Engineering and Design III

- 3 units - semester 1
- 48 contact hours comprising lectures, tutorials, laboratory work, design
- Assumed Knowledge: C&ENVENG 2033 Water Engineering II S1 & C&ENVENG 2035 Water Engineering II S2
- Assessment: may include written assignments & exam - details at beginning of semester

Water treatment processes; environmental geotechnics, groundwater contamination. In addition students will carry out an environmental design.

C&ENVENG 5066
Advanced Engineering Hydrology and Design

- 3 units - not offered in 2005
- 24 contact hours comprising lectures, tutorials, project work
- Assessment: exam, tutorial exercises

The main emphasis will be placed on the rainfall runoff process and how processes are modelled for use in flood estimation and in low flow hydrology. Aspects of collection and analysis of both rainfall and streamflow data that impinge on engineering decisions resulting from the collection of the data will be discussed.

C&ENVENG 5067
Advanced Water Distribution Systems and Design

- 3 units - semester 1 or 2
- 24 contact hours comprising lectures, tutorials; directed study
- Assessment: exam 60%, tutorial, project work 40%

Water distribution systems analysis. Steady state analysis of pipe networks. Alternative formulations of equations for pipe networks. Computer solution techniques. Water supplies for small communities. Optimisation of pipe networks using genetic algorithms. Water hammer analysis. Pump transients. Water hammer control methods.

C&ENVENG 5068
Advanced Water Resources Management and Design

- 3 units - semester 1 or 2
- 24 contact hours comprising lectures, tutorials, project work
- Assessment: may include assignments, seminar presentation, projects and/or exam - details at beginning of semester

Topics to be selected from: demands on water resources; demand management; yield assessment of surface and groundwater sources; risk; reliability and sustainability issues; multiobjective evaluation of water resource projects; design project.

C&ENVENG 5069
Advanced Water Resources Planning and Design

- 3 units - not offered in 2005
- 24 hours lectures, tutorials; directed study
- Assessment: may include written assignments & exams - details at beginning of semester

Topics to be selected from: economic, social and environmental issues in water resources development; use of optimisation methods in water resources planning; multipurpose river basin schemes; optimum system operation; capacity expansion models; water quality issues.

C&ENVENG 5070
Special Topics in Water Engineering IV N

- 3 units - semester 1 or 2
- 24 contact hours comprising lectures, tutorials & directed study
- Assessment: may include assignments and/or exam - details at beginning of semester

Advanced topics in water engineering.

C&ENVENG 5071
Special Topics in Management and Planning IV N

- 3 units - semester 1 or 2
- 24 contact hours comprising lectures, tutorials; directed study
- Assessment: may include assignments and/or exam - details at beginning of semester

Advanced topics in engineering management and planning.

C&ENVENG 5072

Environmental Auditing and Design

- 3 units - semester 1 or 2
- 24 contact hours comprising lectures, tutorials/technical projects
- Assessment: may include written assignments & exam - details at beginning of semester

Topics to be selected from sustainability and sustainable development, greenhouse issues, environmental impact assessment. In addition students will undertake an environmental audit of a commercial/industrial facility

C&ENVENG 5074

Groundwater Resources, Contamination and Design

- 3 units - not offered in 2005
- 24 hours lectures, tutorials, design; directed study
- Assessment: may include written assignments & exam - details at beginning of semester

Groundwater exploration and well technology; aquifer testing; physical and hydrochemical processes; groundwater yield assessment; groundwater flow and solute transport; groundwater modelling and data requirements; design project.

C&ENVENG 5075

Numerical Methods in Environmental Engineering

- 3 units - not offered in 2005
- 24 total contact hours comprising lectures, tutorials; directed study
- Assessment: may include assignments and/or exam - details at beginning of semester

Introduction to the finite element method and finite difference method of solving fluid flow problems in both groundwater and surface flows, such as groundwater flow, contaminant movement in groundwater, tidal propagation and currents in rivers and tidal situations. The basic theory and formulation will be given and the techniques illustrated with simple examples. Students will undertake a project to solve a designated problem.

C&ENVENG 5078

Introduction to Environmental Law N

- 3 units - semester 2
- 24 total contact hours comprising lectures and tutorials
- Assessment: may include assignments and/or exam - details will at beginning of semester

The course examines regulatory mechanisms that address environmental problems and focuses particularly upon regulation of development. Included are: a general introduction to the law and the legal system; the nature of environmental problems in Australia; constitutional responsibilities and powers with respect to environmental planning and protection; land-use planning and protection systems; environmental impact assessment; regulation of pollution and waste disposal; and environmental litigation.

C&ENVENG 5079

Computer Methods of Structural Analysis & Design

- 3 units - not offered in 2005
- 24 total contact hours comprising lectures, tutorials, practicals; directed study
- Assessment: may include assignments and/or exam - details at beginning of semester

The objective of this course is to make students aware of the mathematical basis of structural analysis software programs and develop a competence in the use of such programs. Topics include basic theory and formulation of finite element analysis; two and three-dimensional elements; linear analysis of plane and space frameworks; an introduction to non-linear structural analysis. Computer modelling of real structures and practical aspects of computer analysis will be illustrated with a number of examples. Students will use commercial software to solve simple problems.

C&ENVENG 5080

Special Topics in Structural Engineering IV N

- 3 units - semester 1 or 2
- 24 contact hours comprising lectures, tutorials; directed study
- Assessment: may include assignments and/or exam - further details available at beginning of semester

Advanced topics in structural engineering.

C&ENVENG 6020A/B

Advanced Structural Investigation

- 6 units - full year
- 120 hours research and directed study
- Assessment: research project

Research project in advanced structural concepts.

C&ENVENG 7027

Wastewater Engineering and Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, project work
- Assessment: projects & exam

Characteristics of wastewater; primary, secondary and tertiary treatment methods; sludge disposal; project: design of wastewater treatment plant; includes Masters level project.

C&ENVENG 7028

Waste Management Analysis and Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials , design, and directed study
- Assessment: projects & exam

Generation, collection and disposal of solid waste; sanitary landfill; incineration; resource conservation and recovery; fuel recovery. Hazardous waste management; types of hazardous waste; treatment technologies; methods of disposal; design project; includes Masters level project.

C&ENVENG 7029

Environmental Processes, Modelling and Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, design; directed study
- Assessment: to be advised

The course addresses the major steps in the development of engineering models, with a particular emphasis on water quality. Topics to be covered include model specification (environmental processes, model complexity, model application), model calibration (gradient methods, genetic algorithms, ant colony optimisation) model validation and stochastic modelling (types of uncertainty, random variables, risk-based performance measures and reliability analysis, including Monte Carlo simulation and the first-order reliability method); includes Masters level project.

C&ENVENG 7032

Design of Composite Structures

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, directed study
- Assessment: two design reports

Two modules are chosen from the following three options. Module1: retrofitting and rehabilitation of composite steel and concrete building structures. Module 2: fatigue assessment and retrofitting of composite and steel vehicular bridge beams. Module 3: retrofitting and rehabilitation of RC structures using composite externally bonded steel and fibre reinforced polymer plates.

C&ENVENG 7033

Earthquake Engineering and Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, directed study
- Assessment: projects & exam

The course will cover the basic concepts of dynamic analysis of structures and the design of structures to resist earthquake loads. Simple examples will be used to illustrate the concepts. Practical aspects of computer analysis will be emphasised throughout the course with students using 'state-of-the-art' commercial software to solve tutorial problems. Special reference will also be made to the Australian Earthquake Code; its use, background and limitations; includes Master level project.

C&ENVENG 7034

Foundation Engineering and Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, project work
- Assessment: projects and exam

Advanced topics in the design of shallow and deep foundations, including numerical methods: effect of stiffness of strip and raft foundations on settlement control; design of pile foundations for vertical and/or lateral loading; dewatering of excavations; includes Masters level project.

C&ENVENG 7035

Footing Design and Soil Variability

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, project work
- Assessment: coursework

Advanced topics in the design of residential footings on expansive soils: Numerical and computer-based techniques, such as the Mitchell and Walsh methods of analysis are examined, as well as issues relating to residential footing design practice and probabilistic design. At the end of this course, students will be able to design residential footings to current practice. Probability and statistics in geotechnical engineering: This topic examines general statistical applications in geotechnical engineering and the analysis of the spatial variability of soils using random field theory and geostatistics. Introduction to rock slope design: This topic gives an overview of the characteristics of rock masses; geotechnical coring and logging; face mapping; rock mass classification; stress theories and strength criteria; and planar failure mechanisms; includes Masters level project.

C&ENVENG 7036

Water Resources Management and Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, directed study
- Assessment: projects, assignments & exam

Topics to be selected from: demands on water resources; demand management; yield assessment of surface and groundwater sources; risk; reliability and sustainability issues; multiobjective evaluation of water resource projects; design project; includes Masters level project.

C&ENVENG 7037

Water Distribution Systems and Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, directed study
- Assessment: projects & exam

Water distribution systems analysis. Steady state analysis of pipe networks. Alternative formulations of equations for pipe networks. Computer solution techniques. Optimisation of pipe networks using genetic algorithms. Water hammer analysis. Pump transients. Water hammer in hydro-electric plants. Water hammer control methods. Includes Masters level project.

C&ENVENG 7038

Coastal Engineering & Design

- 3 units - semester 1 or 2
- 24 hours lectures, tutorials, project work
- Assessment: projects & exam

The course is based on waves and wave theories, tides, sediment transport, nearshore coastal processes, wave generation, ocean outfalls, coastal management; includes Masters level project.

C&ENVENG 7039

Special Studies in Civil Engineering

- 3 units - semester 1 or 2

Topics as approved by the Head of School.

C&ENVENG 7040

Special Studies in Environmental Engineering

- 3 units - semester 1 or 2

Topics as approved by the Head of School

C&ENVENG 7041

Fundamental Steel Design

- 3 units - semester 1 or 2
- 24 contact hours comprising lectures, tutorials; directed study
- Assessment: project work, tutorials - details at beginning of semester

This course consists of two parts. The first part is on tall building structures. Emphasis will be placed on horizontal load resistance systems, rigorous analytical methods and practical methods of design, and the structural behaviour of various tall building systems under lateral loading. The second part concerns space structures in which some of the latest engineering constructions in space structures will be explored and various types of space structures will be introduced in terms of their behaviour under load, materials used and analysis methods. In particular, the design, analysis and construction of double-layer grids - one of the most popular forms of space structures will be addressed.

C&ENVENG 7042

Design of Concrete Structures N

- 3 units - semester 1 or 2
- 24 contact hours comprising lectures, tutorials; directed study
- Assessment: tutorials, design & exam

This course is intended to provide students with a deeper fundamental understanding of the behaviour of concrete structures, particularly prestressed concrete. Emphasis is also placed on enhancing the student's ability to independently solve problems. Topics covered will be taken from the following: axially loaded and flexural members; shear behaviour of beams; deflections of prestressed concrete members; statically indeterminate structures; and design of disturbed regions using strut and tie modelling.

Engineering - Electrical & Electronic

ELEC ENG 7015

Adaptive Signal Processing

- 3 units - semester 1
- 30 hours lectures, tutorials
- Assumed Knowledge: Linear Systems (discrete and continuous), Linear Algebra (matrices), Probability Theory, Fourier and Z Transforms and MATLAB
- Assessment: exam 50%, assignment 50%

Introductory and Preliminary material - Introduction to the concepts, key issues and motivating examples for adaptive filters; Discrete time linear systems and filters; Random variables and random processes, covariance matrices; Z transforms of stationary random processes.

Optimum Linear Systems - Error surfaces and minimum mean square error; Optimum discrete time Wiener filter; Principle of orthogonality and canonical forms; Constrained optimisation; Method of steepest descent - convergence issues; Stochastic gradient descent LMS - convergence in the mean and misadjustment Case study. Least squares and recursive least squares. Linear Prediction - Forward and backward linear prediction; Levinson Durbin; Lattice filters.

ELEC ENG 7017

Beamforming and Array Processing

- 3 units - not offered in 2005
- 30 hours lectures, tutorials
- Assumed Knowledge: Linear Systems (discrete and continuous), Linear Algebra (matrices), Probability Theory, Fourier and Z Transforms, Random Processes and MATLAB
- Assessment: exam 50%, assignment 50%

Introductory material - Concepts, key issues and motivating array examples; Simple propagating field models. Deterministic Signals -

Conventional beamforming concepts: narrowband beamforming; Beam patterns: beamwidth, sidelobes and grating lobes, Array shading real weights, Array factor theorems; Multiple simultaneous beams; Time delay and sum beamforming. Random Signals - Probability and random processes for arrays; Cross-spectral matrices. Frequency Domain Beamforming - Frequency domain Approach single and multiple beams; Array Gain; Frequency wavenumber; Array shading and null steering. Optimum Beamforming in Frequency Domain - Optimisation criteria constrained minimum mean square and Conventional and Optimum Comparisons; Constraints: mainbeam and nulls; Sample Matrix Inverse and statistical considerations. Adaptive Beamforming in Frequency Domain - Sample Matrix Inverse update; Gradient descent and optimisation surfaces with constraints; Convergence requirements; Stochastic Descent Methods: Least Mean Square; Convergence in the mean and mean square convergence. Optimum and Adaptive Beamforming in Time Domain - Multichannel tapped delay line approach; Optimum solution; Adaptive solution with passband constraints. Subspace Methods - Beam space approaches; MUSIC and other eigen space approaches.

ELEC ENG 7033

Principles of RF Engineering

- 3 units - semester 1
- Assumed Knowledge: foundation course in electronics & some familiarity with electromagnetic ideas
- Assessment: hardware design assignment, tests

RF System Basics: Radio waves, antennas, analogue modulation, noise, sensitivity, selectivity, non-linearity, digital modulation, spread spectrum and radar. Tuned Circuits: Resonance, Q, bandwidth, transformers and matching networks. Amplifiers: BJT amplifiers, Miller effect, differential amplifiers, feedback, FET amplifiers, amplifier noise. Scattering Parameters: Transmission lines, impedance transformation, Smith charts, S parameters and S parameter amplifier design. Multi-port networks. Power Amplifiers: Class A, B, C and E amplification. Broadband matching. Filters: Basic lumped component designs. Filter realisation in microstrip form. Oscillators: Basic oscillator design and negative resistance approach. Phase noise and stability issues. Mixers, Modulation and Demodulation: Diode, BJT and FET mixers. The generation and demodulation of AM, SSB, FM and PM signals. Introduction to Phase Locked Loops: Basic principles and some applications. Frequency synthesisers.

ELEC ENG 7044

Multimedia Communications

- 3 units - semester 2
- 30 hours lectures, tutorials
- Assumed Knowledge: ELEC ENG 4046 Telecommunications IV or equivalent
- Assessment: exam, assignments

Third generation mobile systems: W-CDMA implementation and dimensioning. Core network evolution including 2.5G solutions. Orthogonal Frequency Division Multiplexing: principles and implementation including 802.11a OFDM PHY. Ad-hoc networking: principles and implementation including 802.11 IBSS and Bluetooth. Consumer broadband distribution: principles and implementation including DSL and HFC.

Satellite communications: principles and applications including link models, system parameters and multiple access (FAMA/DAMA). INTELSAT, Iridium, Globalstar. Lossy compression for image, audio and video coding. Video coding for videoconferencing and low data rate applications (H.261, H.263, H.26L, MPEG4 VLBV). Audiovisual system standards (H.324, H.221, H.223, H.245). MPEG standards family (MPEG-1, MPEG-2, MPEG-4, MPEG-7, MPEG-21) and applications. Video and voice over IP.

ELEC ENG 7045

Photonics for Communications

- 3 units - semester 2
- 23 hours lectures, tutorials & major assignment
- Assumed Knowledge: familiarity with the principles of transmission line propagation and electronics, communication systems and communication theory
- Assessment: formal exam, assignment

The fundamental principles with which students should be familiar are reviewed in the early lectures within this course. Review of optics and lightwave propagation. Introduction to communication systems. Optical waveguides. Integrated optic waveguide. Dispersion and distortion effects. Single-mode and multi-mode optical fibres. Attenuation characteristics. Practical configurations. Light sources. Light emitting diodes. Laser operation. Laser diodes. Coupling considerations. Optical amplifiers. Light detectors. Photoelectric effects. PIN photodiodes. Avalanche photodiodes. Receiver circuits. Modulation. Analogue modulation formats. Digital modulation formats. Subcarrier techniques and multiplexing. Harmonic distortion and intermodulation. Noise and detection. Thermal and shot noise effects. Signal-to-noise ratios for digital and analogue systems. Thermal-noise limited and Shot-noise limited systems. Receiver design. System design. Analogue and digital point-to-point link design. Fibre distribution networks. Optical storage concepts. Dense Wave Division Multiplexing (DWDM), Compact Disc, DVD and other optical storage.

ELEC ENG 7046

Power Quality and Fault Diagnostics

- 3 units - semester 2
- 36 hours lectures, laboratory studies
- Assumed Knowledge: ELEC ENG 2008 Electronics II or equivalent
- Assessment: 2 quizzes 25%, research based assignment 50%, final exam 25%

This course will address power quality issues and condition monitoring techniques used in electrical and industrial systems. A brief overview of power systems and three-phase machines will be given, and the course will cover various issues under two major sections. Power Quality: EMI in energy systems, types of power quality issues, regulations, standards, prevention techniques, measurements and analysis, case studies and real-time tests. Fault Diagnostics: Importance, history, types and features of faults, test methods, sensors and measurement techniques, traditional and advanced diagnostic methods, case studies and real-time tests.

ELEC ENG 7047

Special Studies in Electrical Engineering

- 3 units - semester 2

Topics as approved by the Head of School

ELEC ENG 7049

Power Electronics Systems

- 3 units - semester 2
- 24 hours lectures, tutorials
- Assumed Knowledge: ELECENG 1006 Electrical Engineering I or ELECENG 1005 Electrical Systems AM, ELECENG 2008 Electronics II, APP MTH 2000 Differential Equations and Fourier Series, or equivalent
- Assessment: exam, assignments, quizzes

Efficiency and control concepts, methods of analysis. Feedback and Isolation Devices. Switching Devices. Switching characteristics of devices, power losses. Rectifiers. AC -AC Converters. DC-DC Converters. Inverters. Power supplies. Hard and soft-switching, resonant circuits. Advanced energy-efficient motor drives. Computer interfacing, network communication. EMI in Power Electronics Systems. Students will complete a major assignment allowing deeper exploration of one or more topics covered in lectures.

ELEC ENG 7050

Microelectronic Testing and Design for Test

- 3 units - semester 2
- 30 hours of lectures, tutorials during mid-semester break
- Assumed Knowledge: A prior course or courses covering CMOS VLSI technology and design procedures, and integrated electronic systems
- Assessment: exam, assignments

Basic test approaches. Economics and role of testing. Automatic Test Equipment. Defects in CMOS technology, fault models and fault simulation. Automatic Test Pattern Generation. Parametric testing, functional & structural tests. Ad-hoc Design for Test rules. Boundary-scan test for systems and boards. Scan Path Testing Techniques. Logic Built-In Self Test and data compaction techniques to reduce test time for digital circuits. Memory testing and basic algorithms, memory Built-In Self-Test. Mixed-signal system and board testing and the analog boundary-scan test approach. Modelling of the analog faults for the semiconductor manufacturing. Mixed-signal testing using automatic test equipment and techniques for reducing the test complexity. Testing A/D and D/A using DSP, waveform generators and digitisers. Embedded testing of cores and IPs, core test standard.

ELEC ENG 7051

Microelectronic Datapaths and Arithmetic

- 3 units - semester 1
- 18 Lectures, 6 tutorials, 12 hours practical
- Assumed Knowledge: linear circuit analysis techniques, operation & characteristic of field effect transistors, ability to design & analyse combinational & sequential logic circuits, binary number systems
- Assessment: exam 50%, assignments, project work 50%

Introduction and review: MOS transistors, CMOS logic, and combinatorial circuit design; CMOS fabrication and layout; VLSI design flow; CMOS leaf cell design; delay estimation and minimisation; Simulation, synthesis, place and route; interconnect engineering; review of sequential logic in CMOS; design margin, reliability and scaling; CMOS logic families; system level considerations - floor planning, power dissipation, micro-architecture, clock routing; technology trends and challenges - data and configuration management, testing and verification, technology trends, alternative logic families; fixed point arithmetic - adders, multipliers, dividers; floating point units - shifters, comparators, coders, counters, one-zero detectors; alternative arithmetic structures.

ELEC ENG 7052

Electromagnetic Theory and RFID Applications

- 3 units - semester 2
- 30 hours lectures, 6 tutorials
- Assumed Knowledge: familiarity with principles of circuit theory, signals and systems, electromagnetic theory
- Assessment: end of semester exam, semester quizzes, assignments

Revision of basic electromagnetic theory. Lumped and distributed circuit theory. Practical circuit elements for HF and microwave communications. Reciprocity theory and its applications. Microwave networks and junctions. Terrestrial and space propagation. Signals and noise in receivers. Simple radar concepts. Modulation systems. High frequency communication signals and calculations. Fourier and Hilbert transforms. Construction of signalling waveforms and interpretation of their spectra. High frequency measurements. Electromagnetic compatibility regulations and measurements. Radio frequency identification concepts, applications, hardware, protocols and possibilities.

ELEC ENG 7053

Analog Microelectronic Systems

- 3 units - semester 2
- 28 hours lectures, tutorials & practical work
- Assumed Knowledge: familiarity with principles of circuit theory, characteristics of basic electronic devices such as diodes FETs and BJTs and CMOS fabrication processes
- Assessment: exam 50%, tests 5%, project 45%

Review of fabrication processes, design rules and transistor models. Layout issues; ASIC design flow; simulators and performance estimation; current sources and references; operational and transconductance amplifiers; current mode circuits; data conversion systems; switched capacitor systems; phase locked loops. A major project involving the design of a mixed signal microelectronic circuit.

ELEC ENG 7054

Detection and Estimation Theory

- 3 units - semester 1
- 30 lectures, 6 tutorials
- Assumed Knowledge: undergraduate level signal processing, random processes and statistics
- Assessment: end of semester exam 80%, in-semester assignments 20%

Random processes. Functions of random variables, expectations, inequalities. Parameter estimation, convergence and performance bounds. Hypothesis Testing (including Neyman-Pearson, Bayesian and Mini-Max testing and locally optimum detection). Composite tests, sequential detection theory. Robust detection and performance bounds. M-ary detection. Continuous time detection.

ELEC ENG 7055

Antennas and Propagation

- 3 units - semester 1

Theory of radiation, wire antennas, antenna arrays, aperture antennas, broadband antennas, numerical analysis, communications and radar systems, propagation.

ELEC ENG 7056

RF Measurements and Testing

- 3 units - not offered in 2005

Network analysis, spectrum analysis, noise measurements, and active device characterisation.

Engineering - Mechanical

MECH ENG 7019

Automotive Engineering

- 3 units - semester 1
- Assessment: assignments 30%, project 20%, final exam 50%

Students interested in a career in automotive engineering are introduced to the practices of major automotive employers. This course will address design objectives, philosophies, engineering practices, safety, environmental issues and quality assurance practices.

MECH ENG 7020

Materials Selection and Failure Analysis

- 3 units - not offered in 2005
- Assessment: assignments 30%, project 20%, final exam 50%

The course will consider factors in materials selection such as properties, processing, design, cost specifications and codes. The competition between materials and fabrication methods will be illustrated through detailed case studies. Failure analysis is considered in terms of investigative procedures, principal causes of failure (fracture, fatigue, corrosion and wear) and the application of simple fracture mechanics. Several case studies are considered in detail.

MECH ENG 7021

Combustion Technology and Emissions Control

- 3 units - semester 1
- Assessment: assignments 30%, project 20%, final exam 50%

Combustion presently provides about 80% of global energy and is expected to be a major energy source for many years. At the same time combustion, particularly of fossil fuels, leads to serious pollution problems and is the primary source of human-derived greenhouse gas emissions. An important aspect of a transition to a more sustainable future is therefore to reduce the emissions from combustion-based plants, and to utilise alternative fuels, including bio-fuels. The aim of the course is to equip candidates with the knowledge and skills necessary to understand ,analyse and design modern combustion systems for maximising output and minimising air pollution. Combustion involves both mixing of the fuel and oxidant and the subsequent chemical reactions. The course therefore involves consideration of both combustion aerodynamics and fuel properties. It covers fuel selection, alternative and waste fuels, the design principals involved in reducing pollutant emissions, modeling and safety.

MECH ENG 7022

Fundamentals of Non-linear Computational Mechanics

- 3 units - semester 1
- Assessment: assignments 30%, project 20%, final exam 50%

The course introduces the basic concepts of continuum mechanics which are understood to be prerequisites for modern computational formulations such as the finite element method. While the course provides the language for understanding the handbook of any modern commercial finite element package, of interest for those merely interested in applications, the material covered is nevertheless fundamental for research in many fields of engineering. The course covers: the basic mathematics of tensor algebra, non-linear concepts of strain and stress, classification of constitutive laws, weak and strong forms of field equations, introduction to finite element formulations.

MECH ENG 7023

Fracture Mechanics

- 3 units - semester 2
- Assessment: assignments 30%, project 20%, final exam 50%

The aim of this course is to develop an understanding of the mechanics of fracture of engineering materials, and to develop a broad understanding of the problems related to mechanics of composite materials which is essential for safe design of engineering components. This understanding is necessary to guide a corresponding design, manufacture, or failure analysis. This course will discuss basic concepts in Mechanics of Fracture and a wide range of practical problems relating to the assessment of the nucleation, growth and catastrophic propagation of structural defects. It also will deepen the understanding of Finite Element Modelling techniques and ANSYS software package.

MECH ENG 7024

Robotics M

- 3 units - semester 1
- Assessment: assignments 30%, project 20%, final exam 50%

Classification of robotic systems; transformation of coordinates; kinematics and inverse kinematics; Jacobians and robot dynamics; trajectory generation; robotic modelling; control loops for robots; image processing; industrial robot programming and applications.

MECH ENG 7025

Topics in Welded Structures

- 3 units - semester 1
- Assessment: assignments 30%, project 20%, final exam 50%

This course presents the concepts behind welding and joining technology. These include welding and joining techniques, equipment and consumables, weldability of engineering materials, economics, standards, health and safety, testing and repair. The concepts are then applied to the design and fabrication of engineering components, process plant and structures. The importance of selecting the correct welding process and parameters for a particular application will be demonstrated by investigating several case studies. Since a weld/joint can have a profound effect on the performance of a component depending on the in-service conditions it experiences, the influence of service environment will be investigated. At the end of the course students should have the concepts to assist in the selection of processes and parameters to make appropriately designed, sound joints, fit for service in the operating environment.

MECH ENG 7026

Advanced Topics in Fluid Mechanics

- 3 units - semester 2
- Assessment: assignments 30%, project 20%, final exam 50%

The course builds on the concepts learned in the core Mechanical Engineering courses and extends these to provide practical interpretive and predictive methods. The syllabus begins with a practical and theoretical overview of modern flow measurement techniques and the methods used to interpret velocity and flow data. These techniques and methods are then applied to fundamental flow cases such as boundary layers and free shear flows. Specific applications of these flow cases are then given through the study of internal flow systems and external flows around air, ground and sea-going vehicles. These include wind tunnels, race cars, high-performance yachts, aeroplanes and sports balls.

MECH ENG 7027

Engineering Acoustics

- 3 units - semester 1
- Assessment: assignments 30%, project 20%, final exam 50%

Fundamentals of sound wave description and propagation, the hearing mechanism, acoustic instrumentation, noise criteria, sound source types and radiated sound fields, outdoor sound propagation, sound power measurement techniques, sound in enclosed spaces, sound transmission loss, acoustic enclosures, reactive and dissipative mufflers.

MECH ENG 7028

Advanced Automatic Control

- 3 units - semester 1
- Assessment: assignments 30%, project 20%, final exam 50% (written & MATLab)

Advanced topics in automatic control system design. Emphasis will be placed on techniques used to accommodate uncertainty in practical systems.

MECH ENG 7029

Airconditioning

- 3 units - semester 2
- Assessment: assignments 30%, project 20%, final exam 50%

Vapour compression cycles; heat transfer in two-phase flow; types, selection and operation of refrigeration plant; psychrometrics; climatic data and its use; load estimation and analysis; constant and variable air volume systems; human comfort and health; cooling and dehumidifying coils; controls; fans and duct systems; system balancing and stimulation; energy efficiency in buildings.

MECH ENG 7030

Advanced Vibrations

- 3 units - semester 1
- Assessment: assignments 30%, project 20%, final exam 50%

Advanced multi-degree of freedom system analysis; modal analysis; spectrum analysis; machine fault diagnosis; statistical energy analysis; use of vibration; principles of design of vibration equipment; structure borne vibration; mobility; reciprocity; finite element analysis.

MECH ENG 7031

Aerospace Navigation and Guidance

- 3 units - semester 2
- Eligibility: available to students in specified programs only, please check Academic Rules of the program in which you are enrolling
- Assessment: assignment, final exam

The course will comprise two components: Navigation: this will cover theory, and the principles of operation and performance modeling of navigation technologies with particular emphasis on technologies that are used to support aeronautical applications. This material will cover inertial navigation technologies, satellite navigation technologies such as GPS and terrestrially based navigation systems such as Loran-C. Technologies which support astronautic applications will also be considered. Guidance: this will cover the principles on which aircraft flight plans and space vehicle orbital manoeuvres are designed and to which a flight vehicle's motion is controlled. This section will cover both open loop flight path generation and closed loop autopilot aspects of the control of flight vehicles.

MECH ENG 7032

Introduction to Biomechanics

- 3 units - semester 2
- 36 hours lecture, tutorials
- Eligibility: available to students in specified programs only, please check Academic Rules of the program in which you are enrolling
- Assumed Knowledge: MECH ENG 4000 Fundamentals of Non-linear Computational Mechanics
- Assessment: assignment, final exam

In recent years biomedical engineering has become one of the fastest growing areas of engineering, worldwide. It lies at the overlap of classical engineering disciplines with the biosciences and medicine. Biomechanics plays a central role in the discipline of biomedical engineering. It is concerned with the application of methods and concepts of mechanics, well established in all other engineering disciplines, to understand and predict the behaviour of soft and hard living tissues as well as to study bio-fluids and their flow. The course introduces basic concepts to describe the behaviour of soft tissues as encountered when studying the skin, the brain or organs such as the heart or the lung. The same concepts can be applied to understand hard tissue behaviour as related to bone material. Also basic aspects of biofluids are covered.

Engineering - Petroleum

PETROENG 7001

Petrophysics

- 2 units - semester 1
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

Introduction to Petrophysics will give participants an overview of petrophysics: well logging concepts and basic rock properties, wellbore environment, petrophysical tools and interpretation concepts. Fundamentals of Openhole Log Interpretation gives a practical understanding of the interpretation of wireline tools and techniques, including the determination of lithology, porosity, fluid content and movement, and net pay. Both, qualitative (quick look) and quantitative analyses methods are covered. Practical aspects, such as logging operations, including MWD, and logging program design will also be addressed. Practical examples are used throughout and case histories are used to demonstrate specific aspects. Specialised Methods and Recent Advances gives an overview of dipmeter and borehole imaging, as well as NMR, and determination of permeability from logs.

PETROENG 7002

Reservoir Engineering

- 2 units - semester 1
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

Formation, Rock and Fluid Properties gives an understanding of reservoir environments and formation properties, reservoir structural elements and rock properties. Fluid properties are covered for both, reservoir and surface conditions. Included are static pressure situations and surveys, and fundamentals of phase behaviour. Fundamentals of Fluid Flow in the Reservoir involves

Darcy's law and the formulation of classical methods in fluid flow and pressure behaviour, for a variety of situations. Steady state and transient situations are covered, including well inflow and aquifer performance formulations. Material Balance gives a detailed understanding of various reservoir situations and the use of material balance, from simple gas material balance to various drive mechanisms for oil reservoirs, including compaction drive. Aquifer models, for a range of situations, from steady-state to transient conditions, are handled in conjunction with the generalised material balance theory of Havlena-Odeh. Case histories will be used throughout to demonstrate concepts and real situations. Software will be used for demonstration and hands-on experience of participants.

Immiscible Fluid Displacement deals with recovery aspects related to immiscible fluid displacement. Commencing with fractional flow concepts, the extended theories of Buckley-Leverett (diffuse flow) and Dietz (segregated flow) are covered. These concepts are then extended to analytical coning and cusping models, covering their appropriate use and limitation. Case histories will be used throughout to demonstrate concepts and real situations.

PETROENG 7003

Production and Facilities Engineering

- 2 units - semester 2
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

Overview of Production and Facilities Engineering gives an overview of production systems, describing various methods of production and their performance. The second part of this module covers the concept of well skin and reservoir mineralogy, and various production problems related to near-wellbore effects: fines migration, sanding, mechanical damage, asphalts, wax and scale. Fundamentals of Production and Facilities Engineering covers production systems and inflow and outflow performance. Production system aspects involve: natural flow and artificial lift, single and multiphase flow, wellhead and surface gathering systems, fluid separation, transportation and treating of fluids, metering and transfer, compression, and disposal and re-injection of fluids. Detailed nodal analysis covers all major and minor components in the reservoir, for wells and surface systems. Software will be used to demonstrate fundamental design calculations and in exercises.

Advanced and Special Production and Facilities Engineering Topics involves two major aspects: foam applications and offshore production facilities concepts. Foam application covers fracturing treatment and foam-acid diversion. In terms of offshore facilities all major types are reviewed, including deepwater, and their range and suitability in application are discussed.

PETROENG 7006

Economic Evaluation

- 2 units - semester 2
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

Overview of Project Economics gives an overview of discounted cash flow and net present value calculations. Also covered are performance indicators and their individual merit. Fundamentals of Economic Evaluation covers investment decision-making processes and evaluation methods relevant for the exploration and production industry, ranging from relatively simple reservoir management decisions, such as evaluating a single-track, to major field development decisions. Methods involve deterministic, sensitivity, decision tree and full probabilistic methodologies. Performance metrics and efficiency measures are discussed in detail. Uncertainty and risk quantification are also covered.

Specialised Economic Evaluation Topics deals with comparative fiscal terms and financial concepts more linked to company performance rather than individual projects.

PETROENG 7009

Decision Making Under Uncertainty

- 3 units - semester 2
- Intensive short course of lectures, tutorials
- Assessment: any of assignments, group discussions, exam

This course teaches the skills required for a key management role - creating value by making decisions that yield optimal returns on the allocation of human and financial resources. There are many uncertainties inherent in the oil and gas business, both in assessing current 'states-of-the world/nature' and in predicting future events. This leads to considerable uncertainty in the value that can be realised from many resource-allocation decisions. Consequently, there will be a strong emphasis on evaluating the impacts of uncertainty, managing its resultant risks and planning to exploit its up-side potential. Topics to be addressed are decision making process, multi-objective decision making, decision-free analysis, decision criteria and Monte Carlo simulation.

PETROENG 7010

Portfolio and Strategic Management

- 2 units - semester 2
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

The prime function of managing an enterprise is to deliver value to the owners as they define it, whether the owners are private, public or government. The oil and gas industry is characterised by investments of large up-front capital expenditures, followed by uncertain returns on those investments over long periods of time. A key requirement is the development of strategies to meet value-

oriented goals and the consequent selection of a portfolio of investments that is consistent with those strategies and goals. This course will equip participants with essential skills and knowledge required for roles in planning and strategy departments and for the most senior decision-making roles in an enterprise. It will also be of great benefit to asset managers (production or exploration) in illuminating the context within which funding decisions are made about their assets and/or projects.

PETROENG 7012

Oil and Gas Resources and Reserves

- 3 units - semester 2
- Intensive short course of lectures, tutorials & seminars
- Assessment: assignments, group discussions, exam

This course explains the strength and weaknesses of various reserves estimating methodologies, including the difference between resources and reserves. Exploration and development views will be covered, as are deterministic and probabilistic methods, with the aim of gaining a thorough understanding of various reserves levels and their equivalence in both systems, in terms of proved, proved plus probable, and proved plus probably plus possible. Methodologies of different countries will be covered. Statistical software will be used to demonstrate important concepts and to handle complex scenarios. The course will cover alternative estimation methods, such as volumetrics, material balance and decline curve analysis. An appreciation will be gained of data limitations and uncertainty and how this is reflected in final volumes and hence risk. The course also covers management and commercial issues and regulations.

PETROENG 7014

Project A

- 4 units - semester 1 or 2
- Case studies, field visits
- Assessment: project reports & presentation

This course offers students the opportunity to carry out a mini-research project or to undertake self-directed, detailed exploration a topic of interest. Students are strongly encouraged to develop their own proposals in line with current or expected professional interests. The final project title and outline must be approved by the Academic Director of the program. It shall be conducted under the supervision of one of the academic staff and may be undertaken outside the University (for example, with an industrial host or sponsor) so long as adequate contact is maintained with the academic supervisor. Evaluation of the project will be conducted jointly by the relevant academic staff and industry practitioners.

Students wishing to do an 8 unit project, if approved by the program academic Director, should also enroll in PETROENG 7046 Project B. In this case, it will normally be expected that a single 8 unit project is carried out (as opposed to two separate 4 unit projects).

PETROENG 7023

Project Management

- 2 units - semester 2
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

Project Management Concepts (1 day module) outlines the necessary management processes and control methods required for the successful management of resources, budgets and costs, and schedule. Project Management in Practice (3 day module) covers all major elements of project management, with emphasis on delivering a project in budget and on time. Technical project drivers are analysed with respect to critical factors, for example the critical path item in the overall project schedule. Methodologies related to cost and budget estimates are presented. Discussed are tendering and contracting methodologies and their strategies are exemplified through case histories. Control methods for cost and budgets are covered, as are commercial and regulatory constrains.

Technical Uncertainties and Risks in Project Management (1 day module) deals with aspects of uncertainties and risks, as they relate to reservoirs, wells and facilities. Management and mitigation of these risks are also discussed.

PETROENG 7024

People and Organisational Development

- 2 units - semester 2
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

Managers and leaders who consistently produce outstanding results are those who recognise the need to continually work at their own development. They work at knowing and understanding themselves, knowing where they are going, understanding their people and knowing how to harness their talent and focus it towards achieving personal and organisational excellence. This course will develop sustainable approaches to support participants to: Understand themselves and to embrace their uniqueness; Establish, develop and sustain effective working relationships; Learn how to build high performance teams; Collaboratively build and nurture highly productive and harmonious organisations based on partnerships; Build and sustain productive relationships with involved stakeholders such as customers, joint venture partners, environmentalists, governments, indigenous communities etc.

This course will also enable you to make better quality decisions by helping you understand how your decisions are influenced by your psychological inclinations, by your knowledge, ability and capability, by your relationships and by key external influences.

PETROENG 7031

Reservoir Characterization & Modelling

- 3 units - semester 1
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

Overview of Reservoir Characterisation and Modelling (1 day module) gives an overview of geological characterisation, commencing with a brief of depositional environments. Concepts of data quality control, data mining and data analysis are explained. Modelling techniques for the static model are summarised: sequence stratigraphy, spatial continuity analysis, and various statistical methods and constructs, as for example variograms and correlograms. Fundamentals of Reservoir Characterisation and Modelling (3 day module) deals with all aspects of geological modelling. Subsequent to explaining the difference between interpolation and interpretation, geostatistical methods are used to explain kriging, fitting and estimating. Other topics covered are: integration of seismic data in terms of velocity models and seismic attributes; conditional simulation and preservation of heterogeneity; multiple scenario approach and realisations and the ranking and weighting of alternatives; preparation for flow simulation and upscaling of the static model. Commercial software will be demonstrated with a number of case histories.

Practical Aspects in Reservoir Characterisation and Modelling (1 day module) gives guidance for appropriate use of algorithms and methodologies. Leading questions regarding appropriate methods for geologically simple and complex situations are reviewed, in terms of facies description, upscaling and other techniques, and as demonstrated through case histories and software applications.

PETROENG 7032

Integrated Reservoir Management

- 3 units - semester 1
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

Reservoir Management Overview gives an overview of the life cycle for developing and producing a field, from discovery to abandonment, and outlines the associated reservoir management problems and solutions. In particular highlighted are issues related to maximising recovery or project value, and minimising uncertainty and risk, and how to mitigate the latter. Fundamentals of Reservoir Management deals with all aspects of reservoir management, covering various project phases: field appraisal, project identification and definition, feasibility and detailed design, construction and commissioning, production and abandonment. Various methods and techniques for maximising recovery are explained, such as material balance decline curve analysis, and other performance and production analysis methods. Methods from various disciplines are covered, such as geological characterisation, seismic monitoring and well test analysis. Well and facility related aspects are presented, in as much as they may impact the management of reservoirs.

Regulation and Surveillance in Reservoir Management deals with regulatory aspects related to reservoir management, including reporting requirements. This module also covers reservoir surveillance techniques, in particular as required by regulatory bodies. The emphasis will be on Australian regulations (Petroleum Submerged Lands Act) but certain generalisations and some worldwide examples are also presented, including case histories.

PETROENG 7035

Fundamentals of Numerical Reservoir Simulation

- 3 units - semester 2
- Intensive short course of lectures, tutorials & seminars
- Assessment: assignments, group discussions, exam

The course gives the theoretical basis for numerical simulation of fluid flow in petroleum reservoirs. The partial differential equations required for single-phase and multi-phase fluid flow in porous media are developed, as well as numerical methods for solving the equations using finite difference methods. Input data requirements, including upscaling, and applications of simulation models for history matching and prediction of field performance will be discussed. Microsoft Excel will be used for many of the examples and exercises.

PETROENG 7037

Structural Geology and Seismic Methods

- 3 units - semester 2
- Lectures, tutorials
- Assessment: assignments, exam

Structural Geology: Basic concepts of stress (resolving stresses and Mohr Circle) and rock failure (friction, Coulomb); present-day stresses from oil field data; implications for wellbore stability and water flooding; basic concepts of structural geology; faults; folds; structural traps and fault seal analysis.

Seismic Methods: Concepts in seismic analysis; seismic data acquisition: field-concepts, elements of data acquisition systems, marine data acquisition; seismic data processing: time series analysis, processing methods, seismic migration, inverse theory and applications; seismic data interpretation: seismic interpretation principles, structural styles, mapping, seismic stratigraphy, velocity modeling, attribute analysis.

PETROENG 7038

Well Testing and Pressure Transient Analysis

- 3 units - semester 1
- Lectures, tutorials
- Assessment: assignments, exam

Well test objectives and concepts; fluid flow equation and fundamental solution; classical methods: drawdown and buildup analysis, bounded reservoirs; gas well testing; type curves and derivatives; complex systems: multi-layer, dual-porosity, hydraulic fractures; interference and pulse testing; test design.

PETROENG 7039

Production Optimisation and Project

- 3 units - semester 1
- Project discussions, project work, presentation
- Assessment: major research/study assignment & written report, presentation of project

This course involves minimal lecturing but rather hands-on experience with students working in teams on actual field data, using a range of software packages, with the aim of optimising field production situations. As such it is a practical component or design course. The course will address the following: reservoir performance, well performance and aspects of facilities optimisation, a total systems approach (nodal analysis).

PETROENG 7040

Enhanced Oil Recovery

- 3 units - semester 1
- Lectures, tutorials
- Assessment: assignments, exam

This course will cover theory and applications of various EOR processes. Also, students will be exposed to IOR techniques. Application aspects will be demonstrated through exercises and one large assignment that will require use of a commercial simulator.

PETROENG 7041

Gas Fields Optimisation

- 2 units - semester 2
- Intensive short course of lectures, tutorials & seminars
- Assessment: assignments, tutorials, exam

This course will provide a sound understanding of Reservoir Engineering Principles pertaining to Gas Reservoirs and the ability to apply these to solve practical problems relating to Gas Reservoir Development, Surveillance and Management focusing on how these differ from corresponding processes for Oil Reservoirs.

The course will address individual well and total reservoir performance analysis. Various reserve calculation techniques will be discussed such that the participants will have a good understanding of the applicability of the different methods at different points in the life cycle of the reservoir.

PETROENG 7042

Drilling Engineering and Well Completion

- 3 units - semester 2
- Intensive short course of lectures, tutorials and seminars
- Assessment: assignments, group discussions, exam

The course covers the fundamentals of drilling engineering and well completion. In the area of drilling; the following are covered: the drilling process; equipment and performance; well pressure control and buoyancy; fluid design; well casing design and cementing techniques; overview of drilling operations. Well Completions addresses: concepts and types of well completion design; overview of well performance; tubing string sizing and design; specialized components: wellheads, packers, expansion joints, subsurface safety valves etc; artificial lift design: beam pumping, gaslift, electric submersible pumps; introduction to well stimulation.

PETROENG 7043

Integrated Field Development Planning and Economics Project

- 3 units - semester 2
- Intensive short course of lectures, tutorials &seminars
- Assessment: assignments, group discussions, exam

Field Development Planning gives an overview of the process and methods for developing an optimum plan for developing a petroleum deposit. Key project drive indicators are discussed and it is shown how various disciplines interact in their quest for maximising the value of a project. It covers all aspects of field development planning, commencing with screening studies, after discovering hydrocarbons, to project sanction. In particular, it is shown that this development phase has the potential to add maximum value, when compared to all other phases of the life cycle, as such it is most critical. Critical aspects are presented in detail in terms of actual case histories. It is shown how a proper balance has to be struck among key elements: reservoirs, wells and facilities, not to mention the balance between minimising costs and maximising recovery. Other key essentials, such as flexibility and risk management are also covered.

The project is based on an actual data set involving an offshore project. The aim is to study the exploration results and to develop a recommendation for the optimum field appraisal plan.The second part of the project involves the feasibility and derivation of the optimum development plan. Participants work in small teams and will submit written plans and give presentations in front of a panel.

PETROENG 7044

Development Geology and Geophysics

- 2 units - semester 1
- Intensive short course of lectures, tutorials & seminars
- Assessment: assignments, group discussions, exam

Development Geology provides a working knowledge of the main qualitative and quantitative techniques used by development geologists in evaluating subsurface reservoir properties. Commencing with the geological structure and depositional environments, the course covers such practicalities as mapping and well correlation. Geological control is discussed, and case histories review various methods of estimating hydrocarbon volumes. While concentrating on concepts, some state-of-the-art topics, such as seal evalutation, will also be discussed. Practical applications are incorporated in hands-on exercises.

The geophysics component provides a basic understanding of the principles of reflection seismic, such as wave propagation, convolution and seismic velocity and resolution. The acquisition segment covers hardware elements used to acquire data and survey design, including 2D versus 3D, and marine versus land surveying. Data processing includes de-convolution, velocity analysis, stacking and migration. The mechanics of interpretation outlines data display, synthetics, picking, and auto-tracking, velocity anomalies and depth conversion. Sequence stratigraphy is dealt with in conjunction with inversion and seismic attribute analysis. More recent advances are also outlined: reservoir fluids and their movement, e.g. DHIs and AVO, and time lapse seismic. Emphasis is on 3D seismic, with numerous illustrations and case histories.

PETROENG 7045

Decision and Risk Analysis

- 3 units - semester 2
- Lecture & tutorials
- Assessment: assignments, exam

Everyone makes decisions, but few people think about how they do it. Uncertainty, multiple objectives and complexity make many decisions difficult. To cope with these difficulties, decision-makers must make effective use of various types of information that are available, for example historical data, forecasts regarding future events, decision alternatives now and in the future, attitudes towards risk, tradeoffs among objectives and predictions of competitor's actions.

This course teaches essential skills required for creating value by making decisions that yield optimal return on the allocation of human, technical and financial resources. Throughout the course, we will develop rules of thought that will transform complex decisions into simpler decisions situations where the course of action is clear. There will be a strong emphasis on evaluating the impacts of uncertainty and/or designing flexibility into plans to manage risks or exploit upside potential. The skills learnt will be applicable to a broad range of Engineering, technology and investment decision situations.

PETROENG 7046

Project B

- 4 units - semester 1 or 2
- Assessment: project report & presentation

This course offers students further opportunity to carry out a mini-research project or to undertake self-directed, detailed exploration a topic of interest. In combination with Project A, it enables a maximum of 8 units of project or research work, subject to approval by the director of the Academic Program. It will normally be expected that a single 8 unit project is carried out (as opposed to two separate 4 unit projects). As with Project A students are strongly encouraged to develop their own proposals in line with current or expected professional interests. The final project title and outline must be approved by the Academic Director of the program. It shall be conducted under the supervision of one of the academic staff and may be undertaken outside the University (for example, with an industrial host or sponsor) so long as adequate contact is maintained with the academic supervisor. Evaluation of the project will be conducted jointly by the relevant academic staff and industry practitioners.

Students wishing to do an 8 unit project, if approved by the program academic director, should also enroll in PETROENG 7014 Project A.

Engineering - Technology and Telecommunications

ENTRSHIP 5001

Marketing Technological Innovation

- 3 units

Develops an understanding of the forces driving competition and demand in markets or technology-intensive products and services. Covers product management decisions (design, channels/logistics, pricing/promotions etc.) across stages of product life-cycles affecting technology products. Enhances skills in analysing competitive trends, identifying threats and opportunities, designing new products, and/or marketing strategies. Students develop a marketing strategy and perform a market analysis to define potential markets for a technology.

ENTRSHIP 5002

Managing Product Design and Development

- 3 units

Addresses the many and best practices organisations are using to accelerate the product development and production processes. Students develop case studies of methodologies for managing the technology and product development cycle.

ENTRSHIP 5003

Strategic Analysis: Technology Commercialisation

- 3 units

In this course we study approaches to technology and commercialisation as part of business and corporate strategy. Two main frameworks used are Michael Porter's Five Forces and Clusters models, and the Resource Based View. We then develop them significantly by studying the economics of information rich products and relevant case study analyses.

ENTRSHIP 5004

Managing Risk

- 3 units - semester 1 or 2

Addresses decision and risk analysis, methods for structuring and modelling decision problems, and application of methods to a variety of problems that involve risk and uncertainty related to the commercialisation of new technologies and development of projects. Students apply risk analysis tools to a commercialisation assessment problem or a project development.

ENTRSHIP 5005

Financing Commercialisation

- 3 units

Examines financial planning methods for determining capital requirements, and various ways of financing growth and making investment decisions. Among the forms of financing examined are angels and informal investors, venture capital, debt capital, and inside and outside equity. Students create plans for the financing of a technology venture.

ENTRSHIP 5006

Technology Management and Transfer

- 3 units

Addresses the evaluation, formulation and use of technology transfer models. Emphasis is placed on case studies of facilitating factors and barriers to collaborative relationships. Students develop and document a technology transfer model.

ENTRSHIP 5007

Legal Issues of the Commercialisation Process

- 3 units

Examines the numerous legal challenges organisations face as they commercialise technology in a global environment. In addition to studying the basic regulatory requirements for intellectual property and patent protection, students gain an understanding of the process of technology licensing and methods for valuation of intellectual property. Students develop strategies and plans by which to manage and protect the knowledge assets of a technology venture.

ENTRSHIP 5008

Leading and Managing

- 3 units - summer semester
- Assessment: coursework, including class presentations

Innovative management deals with new concepts and ideas, initiatives, and methods that can be used to provide new directions or modes of operation for individuals, organisations and activities. Focuses on the ability to implement these ideas and to move successfully in new directions. Participants perform management case studies that evaluate creativity, innovation and entrepreneurial management skills. Attention is given to Topics include: Teamwork & Leadership; Communication Effectiveness; Change & Innovation Management; Negotiation; Entrepreneurial attributes, skills and actions; Advocacy; Knowledge Management.

ENTRSHIP 5009

Business and Contract Management

- 3 units - semester 2

This course provides students with an overview of contract Law, an understanding of the key processes in managing internal agreements and formal contracts including procurement strategies and contract options, contract documentation, tendering, evaluating and selection, contract administration, claims management, negotiation and dispute resolution. The course then focuses on the strategies required to manage project producing organisations, including strategy and core competence, quality, internal processes and human resources.

ENTRSHIP 5010

Technology Project Management

- 3 units - semester 2

This course focuses primarily on the project management of software intensive projects and the ways project management of software projects differs from project management of large capital projects. The objectives include provide adequate understanding of software development processes to enable management of capital projects with a significant software component; understanding major factors that contribute to success or failure of software projects; understanding the relationship between the software and other elements; and, being able to monitor the development of software intensive projects.

ENTRSHIP 5011

Internationalisation of Technology

- 3 units

Addresses a broad and special set of issues of commercialising technology on a global scale, including international country policies, supra-country trade policies (including GATT, NAFTA, etc.), import/export processes, financing issues, critical technologies and country profiles. Addresses importing or exporting a new

technology or intellectual property to any foreign market through a variety of technology transfer strategies which account for public policies and interrelated competitiveness issues. Students engage in role-playing exercises designed around an international commercialisation project.

ENTRSHIP 5012
Integrated Logistics Support

- 3 units - semester 2

This course introduces participants to the issues and basic principles of Integrated Logistics Support of complex equipment and field systems. ILS considerations impact key aspects of system development and are typically major life-cycle cost drivers. They need to be effectively considered and specified so that they can be "designed into" a system. This subject provides managers or participants involved in management or development and acquisition and support of systems with the understanding of the key issues required to effectively specify and manage acquisition and operational support.

ENTRSHIP 5013
Systems Engineering

- 3 units - semester 1 or 2

This course introduces participants to the concepts and techniques of Systems Engineering. Systems Engineering is a key discipline required to ensure development of effective systems to clearly defined requirements. This course provides managers or participants involved in management or development and acquisition of systems with the understanding of Systems Engineering required to effectively manage such development or acquisition.

ENTRSHIP 5014
Project Management Techniques

- 3 units - semester 1

This course is the intermediate core course between Applied Project Management 1 and Applied Project Management 2 in the Master of Project Management. It covers the management techniques required to achieve outcomes on projects in each of the areas of scope, time, cost, quality, procurement, human resources and communication. Further development of scenarios and the use of project management in various industries, including Information technology, defence, construction, roll-out of government services, social, finance, medical, research and commercialisation occurs.

ENTRSHIP 5015
Project Finance and Accounting

- 3 units - semester 2

Engineers, scientists and technologists understand that a good grasp of accounting and financial management disciplines are crucial to success. This course is designed to take such professionals through the essential knowledge and skills development in areas such as: accounting concepts, understanding and analysing financial statements, book keeping, the accounting cycle, cash flow, company accounting, budgeting and planning, an introduction to management accounting. This course introduces financial modelling, analysis of project proposals and cost optimisation. Major topics include the time value of money and capital budgeting processes, depreciation, capitalisation and valuation, sensitivity analysis, value management, earned value, life cycle costing. It includes familiarisation with and use of computer software applications.

ENTRSHIP 5016TB
Entrepreneurship and Innovation

- 3 units - semester 1
- Assessment: coursework, including class presentations

A technology-based approach to entrepreneurship and innovation is followed. The course starts with the economic need for entrepreneurship, new products, services and businesses. A novel approach to business structure is introduced, which leads to highlighting the role of innovation and the need for technology in all applications. The acquisition and transfer of knowledge to support innovation is studied, together with the management of an innovative enterprise. The course concludes with an overview of the unique process whereby innovative products and services are marketed.

ENTRSHIP 5017TB
New Enterprise Financial Management

- 3 units - semester 2

This course aims to provide students with a sound grasp of the theory, principles and practice of financial management of smaller sized businesses that are owner-operated and controlled. Modern finance theory is introduced and the application of this theory to the specific circumstances of small enterprises is developed. Sound financial management is critical to the survival and success of these businesses and students will be introduced to the issues and basic principles of Integrated Logistics Support of complex equipment and field systems. ILS considerations impact key aspects of system development and are typically major life-cycle cost drivers. They need to be effectively considered and specified so that they can be "designed into" a system. This subject provides managers or participants involved in management or development and acquisition and support of systems with the understanding of the key issues required to effectively specify and manage acquisition and operational support.

ENTRSHIP 5018TB

Opportunity Assessment

- 3 units - summer semester

This course is aimed at anyone who needs to assess possible business opportunities including possible project management opportunities that are mainly, but not exclusively, based on an innovative technological concept. Rapid screening techniques are introduced, which will address the underlying business concept, the base technology, benefits to customers, potential markets, financial feasibility, risk and benefits to the organisation and the next steps to be taken. Opportunity screening protocols will be treated in depth and a comprehensive venture - screening guide will be developed during the course. The course will also provide an introduction to the business planning process for a new enterprise.

ENTRSHIP 5019TB

New Enterprise Marketing

- 3 units - semester 1

The purpose of this course is to provide students with an introduction to the core marketing functions of a new/small enterprise. The course will provide opportunities for students to develop skills in preparing and critically appraising marketing plans. The course also focuses on the knowledge and understanding required by a manager or business owner to direct the marketing of a small business or its product. Topics will include: marketing plans, market research, marketing strategies, product, price, promotion.

ENTRSHIP 5020TB

New Enterprise Operations

- 3 units - semester 1

The purpose of this course is to provide students with a sound understanding of a range of operational issues relevant to the new enterprise. Topics covered include: layout and location of business, sourcing suppliers, quality assurance/management and human resource management.

ENTRSHIP 5021

Applied Project Management I

- 3 units - semester 1 or 2

Introduces the context, rationale, strategy and tactics of project management from the perspectives of key stakeholders. Project phases are identified and examined. The importance of project planning and control is emphasised. Various models of project management are covered including the Project Management Body of Knowledge, PRINCE 2 and IPMA, as are the internationally recognised areas of knowledge, the iterative processes and the core skills required by successful project managers. Participants will be expected to relate the learning directly to projects from their experience and as a course assignment will be able to apply what they have learnt to an actual work place project.

ENTRSHIP 5022A/B

Project Management Project

- 9 units - semester 1 & 2, or semester 2 & 1

Identification of a project topic and developing the objectives of this. Understanding of business and project objectives and articulation of these into the project requirements. Structuring the project proposal and creating a work breakdown structure of the focuses required to achieve the objectives. Understanding of the research and project process for developing a business plan or achieving project goals. Development of the project structure and plan to demonstrate how scope, time, cost, quality, risk, human resources, communication and procurement, achieve project objectives. Documentation of these into a project process. Monitoring the achievement of the project plan and reporting on this in an appropriate report.

ENTRSHIP 5023A/B

Project Management Project (6 units)

- 6 units - semester 1 or 2

Identification of a project topic and developing the objectives of this. Understanding of business and project objectives and articulation of these into the project requirements. Structuring the project proposal and creating a work breakdown structure of the focuses required to achieve the objectives. Understanding of the research and project process for developing a business plan or achieving project goals. Development of the project structure and plan to demonstrate how scope, time, cost, quality, risk, human resources, communication and procurement, achieve project objectives. Documentation of these into a project process. Monitoring the achievement of the project plan and reporting on this in an appropriate report.

ENTRSHIP 5024

Project Management Project (3 units)

- 3 units - semester 1 or 2

Identification of a project topic and developing the objectives of this. Understanding of business and project objectives and articulation of these into the project requirements. Structuring the project proposal and creating a work breakdown structure of the focuses required to achieve the objectives. Understanding of the research and project process for developing a business plan or achieving project goals. Development of the project structure and plan to demonstrate how scope, time, cost, quality, risk, human resources, communication and procurement, achieve project objectives. Documentation of these into a project process. Monitoring the achievement of the project plan and reporting on this in an appropriate report.

ENTRSHIP 5025

Commercialisation: Process and Strategy

- 3 units

The course will provide students with an overview of the various issues associated with the commercialisation of knowledge and technology (represented in Intellectual Property). It intends to provide students with an introduction to the commercialisation process, access to tools and methodologies used in commercialisation and an appreciation of the strategic role that commercialisation can play within industry and the public sector.

ENTRSHIP 5026

Applied Project Management II

- 3 units - semester 2

This is the capstone course in the Master of Project Management and focuses on the use of project management by corporations to achieve corporate goals. Topics covered include managing by process, scenarios and systems engineering principles, software project management, enterprise architecture, process redesign, project directors skills, 6 sigma project management and capability maturity. A major assignment based on the application of these areas to an organisation, is used.

ENTRSHIP 5027

Business and Project Creation

- 3 units - semester 1

This course examines the innovation and entrepreneurial skills required to identify and develop business and project opportunities in a technology context. These include understanding the importance of innovation and entrepreneurship to economies, industry and competitive analysis, role of foresight, innovation and entrepreneurship processes, competitive analysis and business and project strategy, establishing feasibility and organising finance, legal and governance issues of establishing a business and finally developing the business. The objectives are to build understanding and skills in participants to equip them to achieve actual business and project creation.

ENTRSHIP 5028 ATB/BTB

Project in Entrepreneurship

- 9 units - semester 1 & 2, or semester 2 & 1

The student will undertake a project in business enterprise with the general guidance of a supervisor. The project may involve the development of a business plan for a new venture and it will also allow a candidate to pursue research into an area or topic related to entrepreneurship. Previous candidates have also used the Project as a vehicle for undertaking business research that leads to a report documenting the means by which an established organisation may improve its performance should it implement strategies designed to raise the level of innovation through entrepreneurial management.

ENTRSHIP 5029TB

Project in Entrepreneurship (6 units)

- 6 units - semester 1 or 2

The student will undertake a project in business enterprise with the general guidance of a supervisor. The project may involve the development of a business plan for a new venture and it will also allow a candidate to pursue research into an area or topic related to entrepreneurship. Previous candidates have also used the Project as a vehicle for undertaking business research that leads to a report documenting the means by which an established organisation may improve its performance should it implement strategies designed to raise the level of innovation through entrepreneurial management.

ENTRSHIP 5030TB

Project in Entrepreneurship (3 units)

- 3 units - semester 1 or 2

The student will undertake a project in business enterprise with the general guidance of a supervisor. The project may involve the development of a business plan for a new venture and it will also allow a candidate to pursue research into an area or topic related to entrepreneurship. Previous candidates have also used the Project as a vehicle for undertaking business research that leads to a report documenting the means by which an established organisation may improve its performance should it implement strategies designed to raise the level of innovation through entrepreneurial management.

ENTRSHIP 5031

Project Management Project (6 units)

- 6 units - semester 1 or 2

Identification of a project topic and developing the objectives of this. Understanding of business and project objectives and articulation of these into the project requirements. Structuring the project proposal and creating a work breakdown structure of the focuses required to achieve the objectives. Understanding of the research and project process for developing a business plan or achieving project goals. Development of the project structure and plan to demonstrate how scope, time, cost, quality, risk, human resources, communication and procurement, achieve project objectives. Documentation of these into a project process. Monitoring the achievement of the project plan and reporting on this in an appropriate report.

TECHCOMM 5001

Marketing Technological Innovation

- 3 units

Develops an understanding of the forces driving competition and demand in markets or technology-intensive products and services. Covers product management decisions (design, channels/logistics,

pricing/promotions etc.) across stages of product life-cycles affecting technology products. Enhances skills in analysing competitive trends, identifying threats and opportunities, designing new products, and/or marketing strategies. Students develop a marketing strategy and perform a market analysis to define potential markets for a technology.

TECHCOMM 5002
Managing Product Design and Development

- 3 units

Addresses the many and best practices organisations are using to accelerate the product development and production processes. Students develop case studies of methodologies for managing the technology and product development cycle.

TECHCOMM 5003
Strategic Analysis for Technology Commercialisation

- 3 units

In this course we study approaches to technology and commercialisation as part of business and corporate strategy. Two main frameworks used are Michael Porter's Five Forces and Clusters models, and the Resource Based View. We then develop them significantly by studying the economics of information rich products and relevant case study analyses.

TECHCOMM 5004
Managing Risk

- 3 units - semester 1 or 2

Addresses decision and risk analysis, methods for structuring and modelling decision problems, and application of methods to a variety of problems that involve risk and uncertainty related to the commercialisation of new technologies and development of projects. Students apply risk analysis tools to a commercialisation assessment problem or a project development.

TECHCOMM 5005
Financing Commercialisation

- 3 units

Examines financial planning methods for determining capital requirements, and various ways of financing growth and making investment decisions. Among the forms of financing examined are angels and informal investors, venture capital, debt capital, and inside and outside equity. Students create plans for the financing of a technology venture.

TECHCOMM 5006
Technology Management and Transfer

- 3 units

Addresses the evaluation, formulation and use of technology transfer models. Emphasis is placed on case studies of facilitating factors and barriers to collaborative relationships. Students develop and document a technology transfer model.

TECHCOMM 5007
Legal Issues of the Commercialisation Process

- 3 units

Examines the numerous legal challenges organisations face as they commercialise technology in a global environment. In addition to studying the basic regulatory requirements for intellectual property and patent protection, students gain an understanding of the process of technology licensing and methods for valuation of intellectual property. Students develop strategies and plans by which to manage and protect the knowledge assets of a technology venture.

TECHCOMM 5008
Leading and Managing

- 3 units - summer semester

This course deals with new concepts and ideas, initiatives, and methods that can be used to provide new directions or modes of operation for individuals, organisations and activities. Focuses on the ability to implement these ideas and to move successfully in new directions. Participants perform management case studies that evaluate creativity, innovation and entrepreneurial management skills. Attention is given to Topics include: Teamwork & Leadership; Communication Effectiveness; Change & Innovation Management; Negotiation; Entrepreneurial attributes, skills and actions; Advocacy; Knowledge Management.

TECHCOMM 5009
Business and Contract Management

- 3 units - semester 2

This course provides students with an overview of Contract Law, an understanding of the key processes in managing internal agreements and formal contracts including procurement strategies and contract options, contract documentation, tendering, evaluating and selection, contract administration, claims management, negotiation and dispute resolution. The course then focuses on the strategies required to manage project producing organisations, including strategy and core competence, quality, internal processes and human resources.

TECHCOMM 5010

Technology Project Management

- 3 units - semester 2

This course focuses primarily on the project management of software intensive projects and the ways project management of software projects differs from project management of large capital projects. The objectives include provide adequate understanding of software development processes to enable management of capital projects with a significant software component; understanding major factors that contribute to success or failure of software projects; understanding the relationship between the software and other elements; and, being able to monitor the development of software intensive projects.

TECHCOMM 5011

Internationalisation of Technology

- 3 units

Addresses a broad and special set of issues of commercialising technology on a global scale, including international country policies, supra-country trade policies (including GATT, NAFTA, etc.), import/export processes, financing issues, critical technologies and country profiles. Addresses importing or exporting a new technology or intellectual property to any foreign market through a variety of technology transfer strategies which account for public policies and interrelated competitiveness issues. Students engage in role-playing exercises designed around an international commercialisation project.

TECHCOMM 5012

Integrated Logistics Support

- 3 units - semester 2

This course introduces participants to the issues and basic principles of Integrated Logistics Support of complex equipment and field systems. ILS considerations impact key aspects of system development and are typically major life-cycle cost drivers. They need to be effectively considered and specified so that they can be "designed into" a system. This subject provides managers or participants involved in management or development and acquisition and support of systems with the understanding of the key issues required to effectively specify and manage acquisition and operational support.

TECHCOMM 5013

Systems Engineering

- 3 units - semester 1 or 2

This course introduces participants to the concepts and techniques of Systems Engineering. Systems Engineering is a key discipline required to ensure development of effective systems to clearly defined requirements. This course provides managers or participants involved in management or development and acquisition of systems with the understanding of Systems Engineering required to effectively manage such development or acquisition.

TECHCOMM 5014

TECHCOMM 5014NA

Project Management Techniques

- 3 units - semester 1

This course is the intermediate core course between Applied Project Management 1 and Applied Project Management 2 in the Master of Project Management. It covers the management techniques required to achieve outcomes on projects in each of the areas of scope, time, cost, quality, procurement, human resources and communication. Further development of scenarios and the use of project management in various industries, including Information technology, defence, construction, roll-out of government services, social, finance, medical, research and commercialisation occurs.

TECHCOMM 5015

TECHCOMM 5015NA

Project Finance and Accounting

- 3 units - semester 2

Engineers, scientists and technologists understand that a good grasp of accounting and financial management disciplines are crucial to success. This course is designed to take such professionals through the essential knowledge and skills development in areas such as: accounting concepts, understanding and analysing financial statements, book keeping, the accounting cycle, cash flow, company accounting, budgeting and planning, an introduction to management accounting. This course introduces financial modelling, analysis of project proposals and cost optimisation. Major topics include the time value of money and capital budgeting processes, depreciation, capitalisation and valuation, sensitivity analysis, value management, earned value, life cycle costing. It includes familiarisation with and use of computer software applications.

TECHCOMM 5016TB

Entrepreneurship and Innovation

- 3 units - semester 1
- Assessment: coursework, including class presentations

A technology-based approach to entrepreneurship and innovation is followed. The course starts with the economic need for entrepreneurship, new products, services and businesses. A novel approach to business structure is introduced, which leads to highlighting the role of innovation and the need for technology in all applications. The acquisition and transfer of knowledge to support innovation is studied, together with the management of an innovative enterprise. The course concludes with an overview of the unique process whereby innovative products and services are marketed.

TECHCOMM 5017

New Enterprise Financial Management

- 3 units - semester 2

This course aims to provide students with a sound grasp of the theory, principles and practice of financial management of smaller sized businesses that are owner-operated and controlled. Modern finance theory is introduced and the application of this theory to the specific circumstances of small enterprises is developed. Sound financial management is critical to the survival and success of these businesses and students will be introduced to the issues and basic principles of Integrated Logistics Support of complex equipment and field systems. ILS considerations impact key aspects of system development and are typically major life-cycle cost drivers. They need to be effectively considered and specified so that they can be "designed into" a system. This subject provides managers or participants involved in management or development and acquisition and support of systems with the understanding of the key issues required to effectively specify and manage acquisition and operational support.

TECHCOMM 5018TB

Opportunity Assessment

- 3 units - summer semester

This course is aimed at anyone who needs to assess possible business opportunities including possible project management opportunities that are mainly, but not exclusively, based on an innovative technological concept.

Rapid screening techniques are introduced, which will address the underlying business concept, the base technology, benefits to customers, potential markets, financial feasibility, risk and benefits to the organisation and the next steps to be taken. Opportunity screening protocols will be treated in depth and a comprehensive venture - screening guide will be developed during the course. The course will also provide an introduction to the business planning process for a new enterprise.

TECHCOMM 5019TB

New Enterprise Marketing

- 3 units - semester 1

The purpose of this course is to provide students with an introduction to the core marketing functions of a new/small enterprise. The course will provide opportunities for students to develop skills in preparing and critically appraising marketing plans. The course also focuses on the knowledge and understanding required by a manager or business owner to direct the marketing of a small business or its product. Topics will include:marketing plans, market research, marketing strategies, product, price, promotion.

TECHCOMM 5020TB

New Enterprise Operations

- 3 units - semester 1

The purpose of this course is to provide students with a sound understanding of a range of operational issues relevant to the new enterprise. Topics covered include: layout and location of business, sourcing suppliers, quality assurance/management and human resource management.

TECHCOMM 5021

Applied Project Management I

- 3 units - semester 1 or 2

Introduces the context, rationale, strategy and tactics of project management from the perspectives of key stakeholders. Project phases are identified and examined. The importance of project planning and control is emphasised. Various models of project management are covered including the Project Management Body of Knowledge, PRINCE 2 and IPMA, as are the internationally recognised areas of knowledge, the iterative processes and the core skills required by successful project managers. Participants will be expected to relate the learning directly to projects from their experience and as a course assignment will be able to apply what they have learnt to an actual work place project.

TECHCOMM 5022A/B

Project Management Project

- 9 units - semester 1 & 2, or semester 2 & 1

Identification of a project topic and developing the objectives of this. Understanding of business and project objectives and articulation of these into the project requirements. Structuring the project proposal and creating a work breakdown structure of the focuses required to achieve the objectives. Understanding of the research and project process for developing a business plan or achieving project goals. Development of the project structure and plan to demonstrate how scope, time, cost, quality, risk, human resources, communication and procurement, achieves project objectives. Documentation of these into a project process. Monitoring the achievement of the project plan and reporting on this in an appropriate report.

TECHCOMM 5023A/B

Project Management Project (6 units)

- 6 units - semester 1 & 2, or semester 2 & 1

Identification of a project topic and developing the objectives of this. Understanding of business and project objectives and articulation of these into the project requirements. Structuring the project proposal and creating a work breakdown structure of the focuses required to achieve the objectives. Understanding of the research and project process for developing a business plan or achieving project goals. Development of the project structure and

plan to demonstrate how scope, time, cost, quality, risk, human resources, communication and procurement, achieves project objectives. Documentation of these into a project process. Monitoring the achievement of the project plan and reporting on this in an appropriate report.

TECHCOMM 5024

Project Management Project (3 units)

- 3 units - semester 1 or 2

Identification of a project topic and developing the objectives of this. Understanding of business and project objectives and articulation of these into the project requirements. Structuring the project proposal and creating a work breakdown structure of the focuses required to achieve the objectives. Understanding of the research and project process for developing a business plan or achieving project goals. Development of the project structure and plan to demonstrate how scope, time, cost, quality, risk, human resources, communication and procurement, achieves project objectives. Documentation of these into a project process. Monitoring the achievement of the project plan and reporting on this in an appropriate report.

TECHCOMM 5025

Commercialisation: Process and Strategy

- 3 units

The course will provide students with an overview of the various issues associated with the commercialisation of knowledge and technology (represented in Intellectual Property). This course intends to provide students with an introduction to the commercialisation process, access to tools and methodologies used in commercialisation and an appreciation of the strategic role that commercialisation can play within Industry and the public sector.

TECHCOMM 5026

Applied Project Management II

- 3 units - semester 2

This is the capstone course in the Master of Project Management and focuses on the use of project management by corporations to achieve corporate goals. Topics covered include managing by process, scenarios and systems engineering principles, software project management, enterprise architecture, process redesign, project directors skills, 6 sigma project management and capability maturity. A major assignment based on the application of these areas to an organisation, is used.

TECHCOMM 5027

Business and Project Creation

- 3 units - semester 1

This course examines the innovation and entrepreneurial skills required to identify and develop business and project opportunities in a technology context. These include understanding the importance of innovation and entrepreneurship to economies, industry and competitive analysis, role of foresight, innovation and entrepreneurship processes, competitive analysis and business and project strategy, establishing feasibility and organising finance, legal and governance issues of establishing a business and finally developing the business. The objectives are to build understanding and skills in participants to equip them to achieve actual business and project creation.

TECHCOMM 5028ATB/BTB

Project in Entrepreneurship

- 9 units - semester 1 & 2, or semester 2 & 1

The student will undertake a project in business enterprise with the general guidance of a supervisor. The project may involve the development of a business plan for a new venture and it will also allow a candidate to pursue research into an area or topic related to entrepreneurship. Previous candidates have also used the Project as a vehicle for undertaking business research that leads to a report documenting the means by which an established organisation may improve its performance should it implement strategies designed to raise the level of innovation through entrepreneurial management.

TECHCOMM 5029TB

Project in Entrepreneurship (6 units)

- 6 units - semester 1 or 2

The student will undertake a project in business enterprise with the general guidance of a supervisor. The project may involve the development of a business plan for a new venture and it will also allow a candidate to pursue research into an area or topic related to entrepreneurship. Previous candidates have also used the Project as a vehicle for undertaking business research that leads to a report documenting the means by which an established organisation may improve its performance should it implement strategies designed to raise the level of innovation through entrepreneurial management.

TECHCOMM 5030TB

Project in Entrepreneurship (3 units)

- 3 units - semester 1 or 2

The student will undertake a project in business enterprise with the general guidance of a supervisor. The project may involve the development of a business plan for a new venture and it will also allow a candidate to pursue research into an area or topic related

to entrepreneurship. Previous candidates have also used the Project as a vehicle for undertaking business research that leads to a report documenting the means by which an established organisation may improve its performance should it implement strategies designed to raise the level of innovation through entrepreneurial management.

TECHCOMM 5031

Project Management Project (6 units)

- 6 units - semester 1 or 2

Identification of a project topic and developing the objectives of this. Understanding of business and project objectives and articulation of these into the project requirements. Structuring the project proposal and creating a work breakdown structure of the focuses required to achieve the objectives. Understanding of the research and project process for developing a business plan or achieving project goals. Development of the project structure and plan to demonstrate how scope, time, cost, quality, risk, human resources, communication and procurement, achieve project objectives. Documentation of these into a project process. Monitoring the achievement of the project plan and reporting on this in an appropriate report.

TECHCOMM 7006A/B

Masters Project (Australia)

- 12 units - semester 1 & 2, or semester 2 & 1

This project provides participants with the opportunity to gain the knowledge and innovation skills to cope with the formidable economic, social, and political changes associated with creating value from knowledge in an age of global information and digital knowledge. The focus is on the transfer of research, knowledge, and technology form the laboratory to the market.

The project commences with coverage of the commercialisation process, concentrating on getting ideas, innovations, or discoveries into the marketplace in the form of products or services, or into the value chain at any step, to increase the competitive advantage of the enterprise. This phase is designed to provide an overview of the technology commercialisation process, with special emphasis on the sub processes of technology assessment. Participants are engaged in technology assessment projects that link the activities of research and development, product and process design, technology transfer and marketing, new venture financing, technology entrepreneurship and intrapreneurship, protection of intellectual property, and management.

Upon completion of the in depth opportunity and feasibility analysis, the focus moves to recognising venture opportunities, developing ideas for ventures into venture plans, assessing venture ideas and models, improving venture plans, and communicating venture plans to stakeholders to obtain resources to proceed to the next stage of commercialisation of a technology. Special emphasis is placed on the role of the entrepreneurial team as a major success factor in developing the new venture.

TECHPJIL 7000A/B

Masters Project (International)

- 12 units - semester 1 & 2, or semester 2 & 1

The ability to commercialise new knowledge rapidly is essential for competitive advantage in dynamically changing private and public sector environments. Commercialisation is key to the reinvention of organisations and the basis for the creation of new knowledge based enterprises. The 12 unit International Science and Technology specialised Masters of Commercialisation project provides participants with the opportunity to gain the knowledge and innovation skills to cope with the formidable economic, social, financial and political changes associated with creating value from knowledge in an age of global information and digital knowledge. The focus is on the transfer of research, knowledge, and technology from the laboratory to the market. This is undertaken by successfully completing three UT courses: Converting Technology to Wealth, The Art and Science of Market Driven Entrepreneurship and Technology Enterprise Design and Implementation. The project includes an orientation session at the University of Texas in Austin. Additional work involves bringing together, in a commercialisation plan, the outcomes of the students' participation in a global, University of Texas-based classroom.

Environmental Biology

ENV BIOL 7004WT

Biology and Diversity of Insects

- 3 units - not offered in 2005
- 2 lectures, 4 hours practicals a week
- Assumed Knowledge: ENV BIOL 2000 Zoology EB II or ANIML SC Agricultural Zoology or equivalent.
- Assessment: to be advised

After a brief review covering the internal anatomy of insects and the processes involved in metamorphosis, excretion and reproduction, a number of specific topics will be explored in more detail, including: morphological and biological characteristics of the major insect orders; life histories of selected pest and beneficial species; sociality, caste formation and nest building in termites; sound production methods and functions; feeding mechanisms; adaptations and biology of vertebrate ectoparasites; insects as disease vectors of plants and animals; production and function of silk in insects and arachnids; mimicry and defensive adaptations; sociality and parasitism in the Hymenoptera.

The practical component will examine collecting techniques, identification of adult insects to family level, identification of immature stages and feeding damage. A requirement of the course is the presentation of a well-curated insect collection and attendance at a compulsory field trip during semester.

ENV BIOL 7011WT

Ecology & Management of Freshwater Systems III

- 3 units - not offered in 2005
- 2 lectures, 4 hours laboratory/field practicals per week, computer exercises
- Assumed Knowledge: ENV BIOL 2003 Ecology EBII or APP ECOL 2010RW Population Ecology

This course provides students with an understanding of ecological processes, food webs and nutrient cycles governing freshwater lakes, wetlands and streams. The course also introduces concepts for the assessment and management of algal blooms, eutrophication, salinity and environmental flows of freshwater systems. Field practicals will be conducted on water quality monitoring and biological surveys of South Australian drinking water reservoirs and the Urrbrae wetland.

ENV BIOL 7015

Conservation Biology

- 3 units - semester 1
- 2 lectures, 4 hours practical per week
- Assumed Knowledge: ENV BIOL 2003 Ecology EBII, STATS 1002RW Data Management & Interpretation or equivalent
- Assessment: exam, practicals/assignments

This course deals with key biological characteristics of native plant and animal species which influence their survival in increasingly disturbed and fragmented habitats. Topics include reproduction and renewal, conservation genetics, plant and animal interactions, habitat management, endangered species management, population viability analysis, reserve design in theory and practice, use of corridors, impacts of fragmentation. The politics, legislation and economics of conservation issues like endangered species and regional biodiversity management planning are explored.

Environmental Management

ENVT 5001NA

Environmental Audit

- Eligibility: postgraduate International Environmental Management students
- Prerequisite: Environmental Management Systems
- Assessment: practical exercise in site auditing, open book exam

Environmental audits of both sites and environmental management systems are a vital activity for organisations aiming continuously to improve their environmental performance. The Environmental Audit module provides over 40 hours of training in both comprehensive site auditing and the methods for auditing ISO14001 Environmental Management Systems. Students undertake a site audit and a simulated EMS audit. The course is externally accredited.

ENVT 5010NA

Environmental Impact Assessment (Int)

- 3 units
- Eligibility: postgraduate International Environmental Management students

This module outlines the international development of Environmental Impact Assessment (EIA) and describes the methods and practice of project EIA in a number of Asian countries and Australia. EIA procedures including screening, scoping, assessment, EIS preparation, participation techniques and monitoring are presented though cases ranging across urban, rural, industrial, mining and marine projects. The benefits of environmental appraisal of policies, plans and programs are considered, through Strategic Environmental Assessment (SEA), and an introduction to the methods of SEA and Cumulative Effects Assessment is given. The Environmental Overview model as a tool for EIA in developing countries is critically examined. Participants work in teams to prepare a 'Draft Environmental Impact Statement' on a proposed development and critically evaluate the quality of an EIS for an existing development.

ENVT 5013NA

Biodiversity Conservation

- 3 units - semester 1 or 2
- Eligibility: postgraduate International Environmental Management students

The fundamentals of conservation biology are studied with a focus firstly on local conservation issues in the context of urban biodiversity and secondly on global conservation principles and issues. Problems, issues and solutions are examined relating to the conservation of biodiversity and the greening of the built environment in urban settings and the restoration and rehabilitation of fragmented rural landscapes. Strategies for resolving the issues may include government, business/industry and community partnerships. The ecological principles underpinning the management of global biodiversity resources are reviewed and management is seen to depend on both the scientific assessment of the worth of the natural asset and value judgements as to its worth relative to other resources. These values are considered within disciplinary and cultural contexts.

ENVT 5014NA

Environmental Management Challenge

- 3 units
- Eligibility: postgraduate International Environmental Management students
- Prerequisite: 12 units of Environmental Management courses

As a personal, practical exercise in environmental problem solving and management, participants document a case study of the resolution of an environmental issue or problem - local or global - and develop policy aspects and management strategies that are

appropriate for their home country or organisation and its people. A staff member will be assigned as supervisor for each student, to assist with project definition, provision of additional resource material and general guidance. The case study report should be in English, 5000 to 7000 words in length, with information sources referenced in Harvard style, and be of publishable quality. Advice on obtaining approval of a suitable topic, conduct of the study and examples of the required report style are provided to students. The final draft is submitted for assessment by an examiner other than the supervisor.

ENVT 5016NA
Environmental Management Systems

- 3 units
- Eligibility: postgraduate International Environmental Management students

Environmental legislation in many countries has obliged companies, government agencies, local/municipal governments and public utilities to take stock of their liability for environmental damage, and introduce environmental management systems, designed to improve environmental performance, achieve greenhouse and other policy targets, safeguard urban amenity and community health, reduce risks, save resource costs and improve productivity. Environmental risk assessment (qualitative and quantitative), monitoring, environmental audits and the integration of environmental improvement plans with quality management and occupational health and safety are being adopted by organisations aiming to run cleaner, better, and more profitably. Through seminars, workshops and case studies, participants practise EMS implementation and gain a working understanding of the ISO14000 series, its relation with quality and other standards, and experience in the use of practical tools for environmental risk management.

ENVT 5019NA
Environmental Project Management

- 3 units
- Eligibility: postgraduate International Environmental Management students

The distinctive features of the design and management of environmental projects, whether on the ground or less tangible, are examined in this module. First we think about how we may achieve change in people's behaviour toward the environment, why this is necessary and whether it can find expression in projects that generate profits, while at the same time maintain or improve environmental quality. The mechanics of project management, the use of experimental design and predictive simulations, monitoring programs, obtaining funding and sponsorships, establishing partnerships between government and private organisations and effective corporate communication and negotiation, are aspects that are considered through a case study in environmental management which may vary from time to time. Previous cases have included projects in Ecotourism, Biodiversity Restoration and Renewable Resources.

ENVT 5033NA
Issues in Sustainable Development

- 3 units
- Eligibility: postgraduate International Environmental Management students

Our starting point is an inquiry into local, regional and global environmental problems in developing and industrialised countries, such as soil, water and air pollution; health hazards and disease; climate change and possible sea-level rise; land degradation; ozone depletion; deforestation and biodiversity loss. The varying ways in which policy is formulated and implemented and the meanings and measurement of sustainable development are examined. International conventions and their coordination with national policy instruments are considered. We look at and beyond the visible symptoms of degradation to the root causes of the problems and examine how our natural resources may be managed in an integrated and ecologically sustainable way by evaluation of the environmental, social and economic costs and benefits, leading to the generation of policy which has the twin goals of sustaining the resource base and increasing the welfare of all people now and in the future. Participants undertake simulation exercises and writing assignments in policy building.

ENVT 5035NA
Cleaner Production

- 3 units
- Eligibility: postgraduate International Environmental Management students

Pollution of soil, air and water is a serious problem in many parts of the world, particularly in cities where rapidly growing industrial development has outstripped the implementation of environmental protection and planning legislation. In this module we emphasise the importance of choosing environmentally sound technologies to prevent those problems, rather than end-of-pipe solutions. We investigate high-tech solutions to degradation of environmental quality, while recognising that in some cases their use is adding to the problem. The preferred, complementary approach uses policy tools designed to safeguard the environment at the source of the problems, including cleaner production, life cycle analysis and greenhouse gas emissions reduction programs. The benefits and disadvantages of 'appropriate' technology are also discussed. Using Asian and Australian cases, we consider cleaner production programs and partnerships in industry, remediation of contaminated sites, air quality management, integrated water catchment management and the efficient use of energy, including renewable energy. Participants undertake the preparation of audit/ action plans or monitoring programs in relation to one of these areas.

ENVT 5038NA

Special Study in Environmental Management

- 3 units
- Eligibility: postgraduate International Environmental Management students

This course will be subject to the availability of specialist teaching in fields other than those listed.

ENVT 5060NA

Environmental Futures

- 3 units
- Eligibility: postgraduate International Environmental Management students

This course is designed to engage the imagination as well as train students in several forms of policy analysis. Environmental history shows us that the errors of the past are being repeated in the present. The course challenges our present economic and social goals and priorities by making us consider how these will shape the future. As modern day consumers of products and services we may be unaware that environmental goods and services such as clean air and water, biodiversity, and attractive landscapes are not valued in the same way. These non-economic goods are not included in the evaluation of benefits and costs of development projects, or incorporated in the prices of goods, and are ignored in systems of national accounts. Students learn how the value of environmental goods and services may be measured and incorporated into decision-making. The course has a global perspective but also looks at the Asian-Pacific region. Through projections, scenario-building and other techniques of futures studies we can plan our vision of sustainability in the future.

ENVT 5500

Dissertation in Int Environmental Management F/T

- 12 units
- Eligibility: Master of International Environmental Management students

A dissertation of 15000-18000 words.

ENVT 5502A/B

Dissertation in Int Environmental Management P/T

- 12 units
- Eligibility: Master of International Environmental Management students

A dissertation of 15000-18000 words.

Environmental Studies

ENVT 5012

Environmental Information Systems

- 6 units - semester 1
- Lecture, tutorial, 2 hour practical per week
- Eligibility: postgraduate Environmental Studies students
- Assumed Knowledge: intermediate computer skills
- Assessment: practical exercises/reports 50%, tutorial 10%, exam 40% - total approx 9000 words

This course provides an introduction to the theory behind and application of a variety of spatial information systems such as geographic information systems, remote sensing, and geographic positioning systems. The course will explain what spatial information systems are and how they are used, and will discuss some of the basic concepts behind the input, storage, maintenance, manipulation, analysis, modelling and communication of spatial information. Fundamental concepts such as scale, reference data, projections and coordinate systems will be discussed along with just how we model reality within a computer using the vector and raster data models. The lectures will cover some basic spatial data visualisation and analysis techniques such as map overlay. Importantly, the focus of this course will be the application of spatial information systems to solving real world problems. The practical sessions will implement some basic spatial analytical techniques in environmental and urban applications using spatial information systems.

ENVT 5018

Environmental Impact Assessment

- 6 units - semester 1
- 3 hour seminar
- Assessment: written work totaling approx 9000 words, including workshops/presentations/exercises, essays/reports

This course introduces the methodology of environmental impact assessment (EIA) and examines the development of EIA overseas. It then focuses on EIA in Australia and, in particular, draws on case studies of EIA in South Australia. Different levels of EIA are examined alongside the responsibilities of decision-making. A number of major projects with environmental impact statements (EISs) are critically examined together with the EIS process in South Australia. This includes discussion of recent changes to the legislation.

ENVT 5023

Contested Country:
Managing the Australian Landscape

- 6 units - semester 1
- 3 contact hours
- Eligibility: postgraduate Environmental Studies students

- Assessment: written work totalling approx 9000 words, including seminar presentation 30%, essay 70%

The course will provide a critical survey of the contemporary field of environmental management in the Australian context. The course is centrally concerned with understanding deliberate efforts to translate (environmental) knowledge into action in order to achieve particular outcomes in the way the Australian landscape is used and managed. It will also consider how the objectives for land and resource use are shaped, fashioned and contested in democratic settings. The course will begin by introducing students to the long-dominant "command and control" approach (or rational planning model). It will then shift focus to address a set of intellectual and socio-political changes - new theories of ecology, the interrelationship between values and knowledge, the restructuring of the public sphere and the emergence of new actors – to set the scene for contemporary approaches to environmental management. A feature of the course's examination of contemporary approaches will be in-depth analysis of nationally prominent cases of environmental management: the Regional Forest Agreement process, the Natural Heritage Trust and the Resource Assessment Commission's inquiry into land use at Coronation Hill. The course will critically examine contemporary thinking about environmental management including: decentralised environmental management, the role of NGOs, community-based approaches and regional planning.

ENVT 5025

Environmental Professional Internship

- 6 units - semester 1
- 1 hour seminar, 3 hours project work
- Eligibility: postgraduate Environmental Studies students
- Quota will apply
- Assessment: 8000-9000 word (approx) internship project report

This course will provide students with the opportunity to spend a short time as a professional 'intern' working within an environmental government or non-government (community-based) organisation, while completing an agreed research project. Student placements will depend on the availability of internship opportunities and, where there are more students seeking internships than there are internships available, a quota will operate and the allocation of placements will be based on academic merit. The seminars during the first part of the course will be used to prepare students for their internships, while those during the second part will be used to monitor the progress of the internships and assist students to prepare their research project reports.

ENVT 5030

Environmental Policy

- 6 units - semester 2
- 3 hour seminar
- Eligibility: postgraduate Environmental Studies students
- Assessment: written work totaling approx 9000 words, including seminar presentations/exercises, essays/reports

This course will provide a conceptual framework, derived from the disciplines of politics and policy studies, which will assist students to understand environmental policy-making. Various analytical models will be presented to describe, and to prescribe, appropriate environmental policy-making patterns. The three historical stages of Australian environmental policy making over the past thirty years will be outlined, and the key attributes of the different policy-making models utilised at each stage will be described. Particular emphasis will be placed on recent Australian federal and State government environmental policy-making.

ENVT 5036

Principles of Environmentalism

- 6 units - semester 1
- Eligibility: postgraduate Environmental Studies students
- Assessment: written work totalling approx 9000 words

The course is intended to provide students with an understanding of the nature of current environmental concerns and of the way that Environmental Studies attempts to address these concerns in a transdisciplinary fashion. The aim of this course is to introduce and critically evaluate the scientific, political and social sets of ideas called environmentalism. Modern environmentalism forcefully emerged in western societies in the late 1960s. Apart from forming the premises upon which environmental studies is based, it has also informed a variety of environmental movements across the globe, both in the west, and now in the less affluent parts of world. This course reviews the diversity of these ideas, social movements, and dominant responses of societies towards them: from resisting environmentalism; to proposing reform (such as sustainable development); and then, eventually to the development of more fundamental philosophies of change, such as social and deep ecology, as well as environmental justice. Although the course is global in nature, a feature of this course will be practical and local investigations of these ideas and actions.

ENVT 5037

Special Topic in Environmental Studies

- 6 units - semester 2
- 3 hours per week
- Eligibility: postgraduate Environmental Studies students
- Assessment: written work totalling approx 8000-9000 words, including seminar presentations/exercises, essays/reports & exam in some topics

Graduate Diploma and Master of Environmental Studies students (but not Graduate Certificate students) can include one Level III (6 unit) Environmental Studies course in the elective coursework component of their award by enrolling for the course ENVT 5037 Special Topic in Environmental Studies. This selection must be discussed and approved by the Postgraduate Coursework Coordinator.

ENVT 5040
Australian Landscape Evolution

- 6 units - not offered in 2005
- 3 hour seminar
- Eligibility: postgraduate Environmental Studies students
- Assessment: written work totaling approx 9000 words, including seminar presentations/exercises, essays/reports

This course deals primarily with the evolution of the Australian landscape during the last hundred million years, including the changes effected since the first humans arrived on this continent some fifty thousand years ago. We first consider how the Australian landscape has responded to a variety of tectonic, volcanic and climatic influences. We next consider some of the interactions between Australian prehistoric human societies and the ever-changing environment of which they were an integral part. The contentious issue of plant and animal extinctions in Australia is examined in some detail. We conclude with a careful examination of the impact of the last two hundred years of human settlement upon the landscape, and the implications this might have for soil and water management.

ENVT 5043
Environmental Communication

- 6 units - semester 2
- 3 hour seminar per week, 5 days field work
- Eligibility: postgraduate Environmental Studies students
- Assessment: written work totalling approx 9000 words

This course aims to prepare students to work with a variety of media to inform the public about the environment and about environmental issues and events. Since the course is introductory to Environmental Communication it will take the form of a survey of the field and the development of basic skills relevant to the field. The course will consider the theory and practice of Environmental Communication with a focus on environmental writing, particularly writing about the environment and environmental issues from a factual perspective. The audio-visual and virtual dimensions of Environmental Communication will be examined through workshops on environmental soundscapes, films, websites and exhibits. Fieldwork will give practical experience in techniques of environmental (plant, animal and landscape) observation, description and identification. The course will consider the professional problems encountered by environmental journalists who attempt to advocate for the environment and act as environmental educators while providing factual accounts of newsworthy environmental issues and events for dissemination by the mass media, and the role of Environmental Communication as a strategic tool for environmental project management. In this latter context, the course will review the design features of an effective communication strategy to support community participation in environmental projects.

ENVT 5059
Global Landscapes

- 6 units - semester 2
- 2 lectures, 1 tutorial
- Eligibility: postgraduate Environmental Studies students
- Assessment: essay, tutorial participation &/or presentation, exam

Globalisation heralds significant changes to the social, economic and political landscape. These changes are most visible in urban environments. At the pinnacle of urban development are the so-called 'global cities'. Global cities are considered to be the basing points of globalisation. This course focuses upon the urban landscape as a prime study site through which to examine the processes, impacts and implications of globalisation. Specifically, the course examines the social, political and economic functions of global cities and the ways in which global city relations constitute a network of global interaction. Drawing form a range of sources, including literature, film and television, other intellectual fields and the mass media, this course examines life within the global city. It provides a critique of the changes globalisation heralds for places and the communities that occupy them. In doing so, the course explores what global cities are and how changing power relations within and between global cities shapes urban life. Wherever possible Australian examples are used in order to ground theoretical debates more firmly into the lived experience of each student.

ENVT 5061
Integrated Coastal Management

- 6 units - not offered in 2005
- 3 hour seminar
- Eligibility: postgraduate Environmental Studies students
- Assessment: written work totalling approx 9000 words, including seminar presentations/exercises, essays/reports 60%, exam 40%

This course examines selected strategies for managing coastal environments from around the world, although the main focus is the Australian coast. Where appropriate, local examples are used and followed up with local coastal fieldwork. The course provides an overview of various coastal processes as a background to an understanding of coastal management issues. A major focus of the course is on recent coastal management initiatives in Australia by both the Commonwealth Government and State Governments.

ENVT 5090

Environmental Security

- 6 units - not offered in 2005
- 3 hour seminar
- Eligibility: postgraduate Environmental Studies students
- Assessment: 9000 words or equivalent

This course seeks to explore the concept of environmental security, whilst concentrating on the Indian Ocean region (IOR). Theories of environmental security will be brought to life using different but intertwined examples of environmental security issues taken from countries within and bordering onto the Indian Ocean. These include land degradation; water; fisheries; climate change; nuclear waste; environmental refugees; urban explosion; energy; and environmental justice.

ENVT 5503

Environmental Research Methodology and Project

- 12 units - semester 1 or 2
- 2 hour seminar
- Eligibility: Master of Environmental Studies students
- Assessment: 15000-20000 word dissertation

This course will introduce students to the process of environmental research and assist them to acquire the skills necessary to successfully plan, undertake and present the results of an environmental research project. To successfully complete the course students must attend and participate in all the required methodology seminars, submit a satisfactory proposal for an environmental research project and a satisfactory research plan early in the course, provide a satisfactory account of progress made in the research project midway through the course, and submit a satisfactory dissertation on the methodology and results of the research project by the end of the course.

ENVT 5504A/B

Environmental Research Methodology & Project P/T

- 12 units - full year
- 2 hour seminar
- Eligibility: Master of Environmental Studies students
- Assessment: 15000-20000 word dissertation

This course will introduce students to the process of environmental research and assist them to acquire the skills necessary to successfully plan, undertake and present the results of an environmental research project. To successfully complete the course students must attend and participate in all the required methodology seminars, submit a satisfactory proposal for an environmental research project and a satisfactory research plan early in the course, provide a satisfactory account of progress made in the research project midway through the course, and submit a satisfactory dissertation on the methodology and results of the research project by the end of the course.

GEOG 5067

Population, Health and the Environment

- 6 units - semester 2
- Eligibility: postgraduate Environmental Studies students
- Assessment: essays, tutorial papers, major project

The topic introduces basic concepts and analysis of ecosystems and key interrelationships between population and environment within the context of development issues and policies. It deals with resource depletion and management, land use and agricultural systems related to population pressure, population mobility, urbanisation and environment and integrated approaches to population-environment planning.

Gastronomy

GAST 5300

GAST 5300EX

Principles of Gastronomy

- 6 units - semester 1
- On campus & online
- On campus: 2 lectures, tutorial, 2 hour seminar/workshop/guest lecture per week for 6 weeks
- Eligibility: postgraduate Gastronomy students

This course will provide a comprehensive survey of the broad domain of gastronomy, emphasising its interdisciplinary character and sociocultural relevance. The following areas will be covered; definitions and interpretations of gastronomy, key figures in gastronomy, the historical development of gastronomy, food and medicine, source material for gastronomy, influences on/of gastronomy, gastronomy and restaurants, cultural interpretations of gastronomy, food and drink in ritual and religion, and gastronomy in contemporary society.

GAST 5301

GAST 5301EX

Food & Drink in Contemporary Western Society

- 6 units
- On campus - semester 1, online - semester 2
- On campus: 2 lectures, tutorial, 2 hour seminar/workshop/guest lecture per week for 6 weeks
- Eligibility: postgraduate Gastronomy students
- Prerequisite: Principles of Gastronomy

This course will encourage students to apply gastronomic principles in a contemporary context. The following areas will be

covered; the significance of gastronomy in the contemporary world, changes in diet and eating habits, the influences of dietary advice, food choice, the significance of developments in food production, processing and retailing, the evolution of cuisines and of restaurants, globalisation effects on production and consumption, regionalism, and cultural tourism.

GAST 5302

GAST 5302EX

Gastronomy and Communication

- 6 units - semester 2
- Not offered online in 2005
- 2 lectures, tutorial, 2 hour seminar/workshop/guest lecture per week for 6 weeks
- Eligibility: postgraduate Gastronomy students
- Prerequisite: Principles of Gastronomy, Food and Drink in Contemporary Western Society

This course will focus on the concept of food and drink as a means of communication, explore the use of food and drink in literature and visual media, and encourage students to express ideas, opinions and evaluations relating to food and drink. The following areas will be covered: semiotics of food, meanings of food and drink in daily life, meanings of food and drink in ritual and tradition, menu writing, researching food and drink through written sources and via the internet, recipe writing and editing, writing about food and drink, the role of the restaurant reviewer and critic, food in fiction, food and drink in film, and research for, and evaluation of, food and wine programs on television.

GAST 5303

GAST 5303EX

Gastronomic Tourism

- 6 units - semester 2
- Not offered online in 2005
- 2 lectures, tutorial, 2 hour seminar/workshop/guest lecture per week for 6 weeks
- Eligibility: postgraduate Gastronomy students
- Prerequisite: Principles of Gastronomy, Food and Drink in Contemporary Society

The course focuses on the role of food and drink in enhancing the experiences of travellers and tourists. It examines major themes in tourism literature and their relevance to the study of gastronomic tourism, and considers examples of best practice at destinations where food and wine enable tourists to explore aspects of culture. It also examines the direct and indirect advantages and disadvantages to local and regional communities associated with the development of tourism and with gastronomic tourism initiatives in particular. Additional input by tourism professionals and industry experts may be included.

GAST 5304

GAST 5304EX

Food & Wine Technology

- 6 units - semester 2
- On campus - subject to availability, not offered online in 2005
- 2 lectures, tutorial, 2 hour seminar/workshop/guest lecture per week for 6 weeks
- Eligibility: postgraduate Gastronomy students
- Prerequisite: Principles of Gastronomy, Food and Drink in Contemporary Western Society.

This course will provide an overview of traditional and current food and wine processing operations and techniques together with methodologies and analytical tools for evaluating and communicating them. It may include some visits to appropriate sites and input from Le Cordon Bleu, placing these technologies in their contemporary context.

GAST 5305

GAST 5305EX

Asian Food History and Culture

- 6 units - not offered in 2005
- 2 lectures, tutorial, 2 hour seminar/workshop/guest lecture per week for 6 weeks
- Eligibility: postgraduate Gastronomy students
- Prerequisite: Principles of Gastronomy and Food & Drink in Contemporary Western Society.

This course focuses on the history and culture of food, cooking and eating in the Asian region (including China, Japan, Korea, Philippines, Taiwan, Vietnam, Thailand, Indonesia, Malaysia, India,Sri Lanka and Pakistan). It addresses such topics as food and medicine; food beliefs and ideology; food and ritual/ceremony; culinary evolution; the incorporation of New World foods; culinary hybridisation in Asian countries; Asian food cultures and globalisation; table arts and eating implements; dining etiquette; and markets, street food and eating out.

GAST 5530

GAST 5530EX

Dissertation in Gastronomy F/T

- Eligibility: M.A.(Gastronomy) students
- Prerequisite: coursework component at credit (65%) standard
- Assessment: dissertation of 15000-18000 words on topic to be developed in consultation with Program Manager

An enrolment in the dissertation will commence with a one week intensive induction program (Dissertation Preparation course); the same course will be delivered to online students over two weeks.

GAST 5531A/B

GAST 5531A/BEX

Dissertation in Gastronomy P/T

- 12 units - full year
- Eligibility: M.A.(Gastronomy) students
- prerequisite; coursework component at credit (65%) standard
- Assessment: 15000-18000 word dissertation on topic to be developed in consultation with Program Manager

An enrolment in the dissertation will commence with a one week intensive induction program (Dissertation Preparation course); the same course will be delivered to online students over two weeks.

GAST 5532

GAST 5532EX

Research Project in Gastronomy A

- 6 units semester 1 or 2
- Eligibility: M.A.(Gastronomy) students
- Prerequisite: coursework component at credit (65%) standard
- Assessment: research project of 8000-10000 words (or equiv)

Project length will depend upon the nature of the project and will be in an area approved by the Program Manager. Research Project A should cover a different field from that completed for Research Project B.

GAST 5533

GAST 5533EX

Research Project in Gastronomy B

- 6 units semester 1 or 2
- Eligibility: M.A.(Gastronomy) students
- Prerequisite: coursework component at credit (65%) standard
- Assessment: research project of 8000-10000 words (or equiv)

Project length will depend upon the nature of the project and will be in an area approved by the Program Manager. Research Project B should cover a different field from that completed for Research Project A.

Geology & Geophysics

PETROL 7000

Petroleum Geology and Geophysics (B)

- 6 units - semester 1

PETROL 7001

Petroleum Geology and Geophysics (A)

- 6 units - semester 2
- These courses cannot be taken separately
- Depending on the nature of their previous studies and experience, students may be granted exemptions from some topics, required or permitted to substitute alternative studies for some topics, or required to take additional studies

These courses form an integrated five month program of short courses presented back-to-back, and provide a thorough grounding in the many facets of petroleum geoscience. They include fundamental topics such as basin analysis, sedimentology, diagenesis, sequence stratigraphy and structural geology. Most of these courses are revised during a field trip to Central Australia. Geophysical topics include seismic interpretation, seismic acquisition and processing. Other tools and techniques used in petroleum geoscience are covered in courses such as wireline logging, petrophysics and wellsite geology. There is some scope for specialisation between geology and geophysics, but the majority of the topics form a core curriculum taken by all students. Geologists may do thermal maturation and basin modelling, core description and petroleum geochemistry while geophysicists concentrate on seismic acquisition, signal analysis and seismic processing. Topics encouraging the development of non-technical skills include economics, management and communication skills. Many of the topics covered above are drawn together in case studies from the petroleum industry.

Details of the program can be found at www.asp.adelaide.edu.au

PETROL 7002

Research Project (M.Sc. Petroleum Geoscience)

- 12 units – semester 2
- Assessment: research project report, oral exam

Supervised research project in an agreed area of petroleum geoscience .

Grief and Palliative Care

GEN PRAC 7101HO

The Nature of Grief

- 2 units - semester 1
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course provides an experimental, theoretical and evidence-based framework for best practice care and intervention relevant to counsellors. The nature and effects of grief, processes of recovery from bereavement and the factors that may affect its course will be discussed. The effects of context, gender, age and culture on the grieving process will also be explored. There will be scope for self-reflective learning to examine personal experiences and attitudes to loss and how these may influence approaches to clients and patients. Emphasis will be placed on the clinical applications of the principles learned in the course.

GEN PRAC 7102HO

Loss and Grief

- 2 units - semester 2
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course presents an overview of the paradigm of loss and explores the benefits of expressing loss as narrative. A range of diverse circumstances in which loss and grief may be experienced, such as the breakdown of relationship, illness and disability, adoption, trauma and migration, will be presented, and students will examine relevant issues, supportive intervention and appropriate referral. Students will be encouraged to reflect on their own work experience and practice and will have the opportunity to explore a specific loss of their own choice.

GEN PRAC 7103HO

Issues in Death and Dying

- 2 units - semester 2
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course comprises three main topics: legal issues, ethical issues and exploring death and dying. Legal issues will cover the role of the Law in death and dying, with specific reference to the acts associated with death and the subsequent legal process. Ethics will address basic ethical theory and the application thereof. Practical ethical problems will be presented. Exploring death and dying will present multidisciplinary views on terminal illness and dying, including physiological and psychological aspects of death and dying, the philosophy and delivery of palliative care, and living with a terminal illness.

GEN PRAC 7104HO

Supervised Field Education

- 2 units - semester 1
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course provides an introduction to professional issues relating to counselling, and a short placement within an organisation. Students will have the opportunity to apply their knowledge and skills either in the context of the student's own workplace (if suitable) or of an agency, institution or service in which counselling of clients or patients takes place. Students will be invited to engage actively in a process of collaborative reflection on and analysis of counselling cases and issues, in order to consolidate their learning and to achieve personal insight and development within a professional perspective.

GEN PRAC 7105HO

Grief Counselling I

- 2 units - semester 1
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course provides an introduction to the practice of grief counselling. Evidence for effectiveness in therapeutic practice is explored and the importance of the self-aware counsellor in successful therapeutic interaction is stressed. The practical skills and theory necessary for creating and maintaining counselling relationships, and for the effective exploration of problems in the context of grief counselling, are presented. This includes an understanding of the counselling process, and the application of skills within the context of a counsellor/client relationship.

Students will be encouraged to integrate the principles and skills learned with their own personal and professional experience and to apply them to the requirements of their specific work practice.

GEN PRAC 7106HO

Grief Counselling II

- 2 units - semester 1
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

Theoretical aspects of grief models are translated into practical approaches, allowing students to explore appropriate responses to grieving clients and patients. Specific issues that arise in bereavement and palliative care situations are examined, and

students will have the opportunity to consider the nature of grief, as well as appropriate responses and interventions for individuals and families where there is a terminal illness. Students will be encouraged to integrate the principles and skills learned with their own personal and professional experience and to apply them to the requirements of their specific work practice.

GEN PRAC 7107HO
Grief Counselling III

- 2 units - semester 2
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

Students will examine the role of the counsellor in counselling, and explore specific factors that influence the nature and functioning of the therapeutic alliance. Counselling orientations relevant to situations of grief, loss and crisis will be reviewed.

Students will be encouraged to integrate the principles and skills learned with their own personal and professional experience and to apply them to the requirements of their specific work practice.

GEN PRAC 7201HO
Grief and Spirituality

- 2 units - semester 1
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course recognises the importance of spiritual issues in counselling and therapeutic work with those experiencing grief. The distinction between religion and spirituality is drawn and the emergence of spiritual questions during challenging developmental or situational transition times is examined. The particular contributions of Christian and Buddhist and transpersonal frameworks to the task of caring for others are reviewed, and the importance of rituals and symbols in grief work is included.

Students are encouraged to reflect on their own experience of the connections between grief and spirituality and to consider their attitudes to spiritual issues in counselling. Emphasis will be placed on understanding and identification of appropriate incorporation of spiritual dimensions in clinical practice.

GEN PRAC 7202HO
Grief Studies

- 2 units - semester 2
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course provides an opportunity for the exploration of specialised areas of grief. Topics selected may include, for example, the facilitation of grief and palliative care support groups, men's issues in grief and counselling, cultural differences in grief. For information regarding the topic for 2005, please contact the Program Director, Department of General Practice.

GEN PRAC 7205HO
Advanced Grief Counselling IA

- 2 units - semester 1
- Eligibility Grief and Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course provides an opportunity for students to receive supervision of their current and ongoing work with clients. Students are required to provide evidence of their ability to deal appropriately with the needs of clients or patients and to demonstrate adequate insight and knowledge of the counselling process in reflections on their practice. Case histories will be presented and discussed.

GEN PRAC 7206HO
Advanced Grief Counselling II

- 3 units
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

Students will be introduced to one practical therapeutic approach (for example cognitive behavioural therapy) with a specific focus on the philosophy, practice and techniques and its application to grief and loss. The course tailors these techniques specifically to a range of client and patient populations who are suffering or experiencing grief. Students will be given the opportunity to experience various techniques and exercises drawn from the teachings, practitioners and tradition. The Practicum provides an opportunity for students to apply and demonstrate the learned principles and techniques to clients and patients under the guidance of a supervisor.

Students are encouraged to formulate a personal and integrated counselling approach to grief-related work, and to reflect on the appropriate application and usage of different counseling models in their specific work contexts, professional skills and personal style.

GEN PRAC 7207HO
Advanced Grief Counselling III

- 3 units - semester 2
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

Students will be introduced to one practical therapeutic approach (eg, the transpersonal) with a specific focus on the philosophy, practice and techniques and its application to grief and loss. The

course tailors these techniques specifically to a range of client and patient populations who are suffering or experiencing grief. Students will be given the opportunity to experience various techniques and exercises drawn from the teachings, practitioners and tradition.

The Practicum provides an opportunity for students to apply and demonstrate the learned principles and techniques to clients and patients under the guidance of a supervisor.

Students are encouraged to formulate a personal and integrated counselling approach to grief-related work, and to reflect on the appropriate application and usage of different counselling models in their specific work contexts, professional skills and personal style.

GEN PRAC 7209HO

Research Design and Methodology

- 2 units - semester 2
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course is designed to provide students with a broad introduction to research process and methods. The processes covered are selected with particular reference to issues pertaining to researching questions within the health care system. Content includes an introduction to health research, formulating a research question, searching the literature, ethical issues, research design, quantitative and qualitative methodology and the writing of a research proposal. At the conclusion of the course participants should be in the position of being able to choose, with justification, from a variety of contemporary methods and apply one method to a research question of their choice.

GEN PRAC 7210HO

Advanced Grief Counselling IB

- 1 unit - semester 2
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Assessment: to be advised

This course provides an opportunity for students to receive supervision of their current and ongoing work with clients. Students are required to provide evidence of their ability to deal appropriately with the needs of clients or patients and to demonstrate adequate insight and knowledge of the counselling process in reflections on their practice. Case histories will be presented and discussed.

GEN PRAC 7304HO

MGPCC Dissertation (full-time)

- 12 units - semester 1 or 2
- Eligibility: Grief & Palliative Care Counselling students, other students with approval of Program Adviser
- Prerequisite: completion of MGPCC coursework
- Assessment: to be advised

The dissertation is the final requirement of the MGPCC and should therefore reflect what the student has learned from the core and elective course work on the Graduate Certificate and Diploma programs. Unless exempted by the Board of Studies*,the dissertation will take the form of a paper suitable for submission to an appropriate peer reviewed journal. The content of this paper must reflect the research topic. The successful completion of this paper fulfils the requirements for a dissertation.

* Exemptions will be rare but may be necessary in some circumstances to avoid significant disadvantage to a particular student.

GEN PRAC 7404AHO

MGPCC Dissertation (Part-time) Part 1

GEN PRAC 7404BHO

MGPCC Dissertation (Part-time) Part 2

- 6 units - semester 2
- Prerequisite: completion of MGPCC coursework
- Assessment: dissertation

The dissertation is the final requirement of the MGPCC and should therefore reflect what the student has learned from the core and elective course work on the Graduate Certificate and Diploma programs. Unless exempted by the Board of Studies*, the dissertation will take the form of a paper suitable for submission to an appropriate peer reviewed journal. The content of this paper must reflect the research topic. The successful completion of this paper fulfils the requirements for a dissertation. This course needs to be undertaken with MGPCC Dissertation (part-time) Part 1 to fulfil the requirements of the dissertation.

* Exemptions will be rare but may be necessary in some circumstances to avoid significant disadvantage to a particular student.

Horticulture

HORTICUL 7000WT

Production Horticulture

- 3 units - semester 2
- Even years only
- 2 lectures, 4 hours practicals a week (pracs may be replaced by tour)
- Assumed Knowledge: PLANT SC 2001WT Agricultural Botany or APP ECOL 1003RW Biology of Plants and Animals
- Assessment: exam 70%; assignments 30%

The course examines production of commercial fruit, vegetable and nut crops including limits to production and characteristics for cultivars, management and irrigation, harvesting and marketing. Crops considered include citrus, apple and pears, grape vines, soft vines (berries), stone fruits, almond, walnut, macadamia, pecan, pistachio, and the tropical fruit, pineapple, banana, mango, lychee and avocado. Vegetables include tomato, potato, brassicas, cucurbits, lettuce and the onion group.

HORTICUL 7001WT

Horticulture Systems

- 3 units - semester 1
- 2 lectures, 4 hours practicals per week
- Assumed Knowledge: PLANT SC 2001WT Agricultural Botany or APP ECOL 1003RW Biology of Plants and Animals
- Assessment: mid-semester exam, final exam, assignments

The importance of horticulture to the community, sustainability and economic value, horticultural production areas and environmental factors involved. Fruit crop growth and its control using cultural and chemical methods. Horticultural propagation methods. The basis of production systems which include horticulture, and systems which combine different types of horticulture. Plant improvement and breeding. The significance of pollination to horticulture.

HORTICUL 7043WT

Postharvest Horticulture and Marketing

- 3 units - semester 2
- Odd years only
- 2 lectures, 4 hours practicals or equivalent per week
- Assumed Knowledge: PLANT SC 2001WT Agricultural Botany or APP ECOL 1003RW Biology of Plants and Animals
- Assessment: exam 60%; assignment 40%

Postharvest system, fruit morphology and structure, fruit development, respiration and postharvest hormones; postharvest temperature, water and gas stress, postharvest light, irradiation, gravity, mechanical pathogenic and physiological stresses; harvesting, preparation and packaging technology, cooling technology and storage and transport technology; nutrition and food safety; processing and waste minimisation; domestic and export marketing, wholesaling and retailing. The course normally includes visits to horticulture enterprises.

HORTICUL 7050WT

Lifestyle Horticulture

- 3 units - semester 1
- Even years only
- 2 lectures, 4 hour practical per week
- Assumed Knowledge: PLANT SC 2001WT Agricultural Botany or APP ECOL 1003RW Biology of Plants and Animals
- Restriction: HORTICUL 3047WT Ornamental Horticulture (9838)
- Assessment: final exam, two assignments

Garden history: English, French, Italian, Chinese, Japanese, Islamic, dry-land garden and fire safety, management of parks and gardens; landscaping: design, planting principles, maintenance throughout the year; turf grass; orchard and vineyard: design, establishment, management throughout the year, crop utilization, organic production, vegetable and herb gardens: design, plant selection and utilisation, management throughout the year; protected culture of ornamental plants, flowers: plants, production management, pot plants: plants, production management, flower care: postharvest floriculture.

HORTICUL 7052WT

Olive Production and Marketing

- 3 units - mid-year break
- Assessment: exams 65%, practical reports 35%

This course examines production aspects of olive oil and pickling fruit. Characteristic requirements regarding cultivar selection, climate, soils and location; growing practices plus management of irrigation, pest and diseases; development budget financial planning; harvesting and oil quality assessment; marketing of olives including market evaluation, market plan development in product, pricing, distribution and marketplace decisions. Students are required to participate in field visits to growing/marketing enterprises as arranged.

Information Systems

ECOMMRCE 7004

Internet Commerce (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: fundamentals of World Wide Web, information systems development and relational database management systems
- Assessment: assignments & exam as determined at first class

The course examines how businesses use the World Wide Web to interact with customers. Topics: alternative business models, current Australian practices, commercial benefits and costs, design construction and management of a website, integration with a database, HTML and JavaScript languages, server side scripting, project management, payment systems, security, international considerations, evaluation and maintenance of the website as part of a marketing plan.

International Studies

INST 5000

Approaches and Issues in International Studies

- 6 units - semester 1
- Eligibility: postgraduate International Studies students
- Assessment: essay, seminar presentation to total of 8000 words

Globalisation has become associated not only with the spread of economic processes, social and cultural influences, but also of radicalisation of political outlook, political instability/violence and regime change. This course introduces student to advanced, multi-disciplinary research skills necessary to explore this complex topography of human systems in the throes of transformation. In doing so, the course draws on dimensions of international relations, international political economy, ethics and international justice, strategic cultures and security studies, and the politics of popular culture.

INST 5001

International Politics in the Post Cold War World

- 6 units - semester 2
- Eligibility: postgraduate International Studies students
- Assessment: essay, seminar presentation to total of 8000 words

The notions of leadership and power have been important sources of debate since the end of the Cold War, and most notably in the Asia-Pacific region. Questions of succession, the role of the state in generating economic growth and social stability and the possibility of divining an 'Asian model' that other states could emulate have all figured prominently in shaping stimulating perspectives on the conduct of politics and nation-building. This course examines the foundations of power and the nature of Asian leadership in the region, focussing on the ideologies, forms of political organisation and the rationales for rule.

INST 5002

International Studies Option

- 6 units - semester 1 or 2
- Eligibility: postgraduate International Studies students
- Assessment: essay, seminar presentation to total of 8000 words

A number of options will lead students to specialisation in the following areas: strategic and security studies, ethics and justice, power and culture, Asian studies, European studies, environmental studies. In addition to these, and on advice from the discipline convenor, students have access to a range of other courses offered by the Faculty which take an international studies perspective. A selection of options will be available in each semester and students should consult the School of History and Politics website for further information.

INST 5500

Dissertation in International Studies F/T

- 12 units semester 1 or 2
- Eligibility: M.A.(International Studies) students
- Assessment: 15000 word dissertation

Dissertation on an International Studies topic approved by the Convenor of International Studies.

INST 5501A/B

Dissertation in International Studies P/T

- 12 units full year
- Eligibility: M.A.(International Studies) students
- Assessment: 15000 word dissertation

Dissertation on an International Studies topic approved by the Convenor of International Studies.

Landscape Architecture

LARCH 7004

Landscape Architecture Masters Project

- 12 units - full year
- 16 -18 hours average lectures/ tutorials/ workshops/ field trips, hours vary from week to week
- Eligibility: available to M.L.Arch. students only
- Prerequisite: LARCH 7013 Landscape Architecture Studio II
- Corequisite: LARCH 7005A/B Landscape Architecture Masters Dissertation
- Assessment: masters project

This course entails the preparation of a design response to a student devised brief. The substance and scope of the design may embrace aspects of nature and/or culture in urban and/or rural settings but is specifically intended to display the students' mastery at landscape design and an attuned understanding of the factors, theories, and opportunities that may influence and underpin the design.

The project will be of moderate to high complexity. Tuition will entail both individual and group seminar and studio classes resulting in an individual exposition. Responses should demonstrate

an advanced level of knowledge and ability in several areas of landscape architecture thought and practice, including evidence of the student's ability to collect and evaluate information, construct, test and defend arguments or hypotheses, and to critically self-examine landscape design proposals. The final presentation or exhibition of the project should display a thorough integration of all major aspects of the Program and its Mission Statement and Project Objectives.

LARCH 7005

Landscape Architecture Masters Dissertation

- 12 units - full year
- 2 hour tutorial/seminar per week
- Eligibility: available to M.L.Arch. students only
- Corequisite: LARCH 7004A/B Landscape Architecture Masters Project
- Restriction: enrolment subject to application to the Head of the School and contingent upon prior results
- Assessment: internal & external: seminar paper and/or exhibition, final essay or report articulating & supporting the project

This course comprises an individual research inquiry into a topic or theme or theory within the discipline of landscape architecture. The dissertation research culmination needs to display an adept fluency in period and contemporary literature and debates about the topic, evidence of a logical argument and analysis of available information or test results, an appreciation and use of a research methodology including its assumptions and validity, and the presentation of this research in a robust discussion paper or through an exhibition with catalogue.

Students will be required to undertake supervised research into a particular topic, leading to the presentation of a seminar paper, and submission of a final report/essay of between 6000 - 12000 words.

LARCH 7009

Landscape Architecture Studio IA

- 6 units - semester 1
- Up to 18 hours of lectures/tutorials/ workshops/field trip; contact hours vary week to week
- Eligibility: M.L.Arch.students only
- Assessment: assignments & projects - may include written, verbal & graphic (2 & 3 dimensional) communication

This course will typically address a small to medium sized landscape design and planning topic in a rural setting possessing high aesthetic and ecological qualities and experiencing human development pressures. The course will explore the role and opportunities for landscape design and planning interventions and strategies in a precinct or region of high scenic and biological values and human pressures caused either by mining, recreation, transportation, commercial, tourist and or pastoral/agricultural activities.

A project-based learning program integrating design and the avenues of landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

LARCH 7010

Landscape Architecture Studio IB

- 6 units - semester 1
- Up to 18 hours of lectures/tutorials/ workshops/field trip; contact hours vary week to week
- Eligibility: M.L.Arch. students only
- Assessment: assignments and projects - may include written, verbal & graphic (2 & 3 dimensional) communication

This course will typically address a series of small to medium sized landscape design problems with an emphasis upon construction theory and design. The course will explore the role, qualities and possibilities of construction design and materials, and their possible uses in landscape design applications. Attention will be paid to a creative sustainable approach in construction design and materials, languages applied in the 'manufacture' of landscapes through materials, topographic changes, the materiality of interventions and possibilities in using natural and artificial materials.

LARCH 7011

Landscape Architecture Studio IC

- 6 units - semester 2
- Up to 18 hours of lectures/tutorials/ workshops/field trip, contact hours vary week to week
- Eligibility: M.L.Arch. students only
- Assessment: assignments & projects - may include written, verbal & graphic (2 & 3 dimensional) communication

A project-based learning program integrating architectural and landscape design and digital media technologies that will typically address a small to medium sized design and planning topic in an urban setting possessing particular cultural constraints, relationships and landscape nuances. The course will place emphasis upon either urban design or ecological design or urban ecology questions and theories. The course will explore the role and contribution of design in our cultural environments, and the nexus between culture and nature in an urban context.

LARCH 7012

Landscape Architecture Studio ID

- 6 units - semester 2
- Up to 18 hours of lectures/tutorials/ workshops/field trip; contact hours vary week to week
- Eligibility: M.L.Arch. students only
- Assessment: assignments & projects - may include written, verbal & graphic (2 & 3 dimensional) communication

A project-based learning program integrating architectural and landscape design and digital media technologies that will typically address a medium to large sized design and planning topic in a rural setting possessing particular cultural constraints, relationships and landscape nuances different from that commonly experienced in the South Australian environment. The course will explore the possibilities of digital media in designing and articulating designs, large to regional design issues, non-Mediterranean design issues, and site planning questions. Theories of multi-media design expression, architectural and landscape design, on-site infrastructure will be woven with topics addressing human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc) factors.

LARCH 7013

Landscape Architecture Studio II

- 6 units - semester 1
- Up to 18 hours of lectures/tutorials/ workshops/field trip; contact hours vary week to week
- Eligibility: M.L.Arch. students only
- Prerequisite: at least three of following: LARCH 7009 Landscape Architecture Studio IA, LARCH 7010 Landscape Architecture Studio IB, LARCH 7011 Landscape Architecture Studio IC, LARCH 7012 Landscape Architecture Studio ID
- Corequisite: LARCH 7015 Landscape Architecture Seminar II and LARCH 7014 Landscape Architecture Practice II
- Assessment: assignments & projects - may include written, verbal & graphic (2 & 3 dimensional) communication

This course will focus upon landscape planning and urban design theories, methodologies and case studies. It will typically address a range of small to medium sized landscape design and planning topics in rural and urban settings that will be dependent upon the use and application of information technologies and geographic information systems, and digital media and hand graphic representational styles and approaches. The course will explore the position of both nature and culture using creative information technology. A project-based learning program integrating design and the avenues of land-scape inquiry and expression (structures, materials, plants, languages, information technologies, etc) and the practices of landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc) factors.

LARCH 7014

Landscape Architecture Practice II

- 4 units - semester 1
- 2-3 hours of lectures/tutorials/ workshops/field trips; contact hours vary week to week
- Eligibility: M.L.Arch. students only
- Corequisite: LARCH 7013 Landscape Architecture Studio II and LARCH 7015 Landscape Architecture Seminar II
- Assessment: work diaries, seminar papers, projects, exams

This course will address the frameworks for and ethical structures of architectural and landscape architectural professional practice in South Australia and Australia. Topics include organisational theory; principles of law; the general organisation of architectural and landscape architectural (and multi-disciplinary) practices including the management of an office's human, physical and financial resources, the relationship between designers and their clients; consultants and contractors; contract administration; specifications; the legal qualifications of an architect and landscape architect; professional organisations; ethics; risk management and professional liability; planning and building law and regulations; problems facing the architect and landscape architect today; estimating and cost control; bills of quantities; the role of the quantity surveyor; project management; the range of services offered by architects and landscape architects.

A student is expected to be in possession of a current copy of the Building Code of Australia and its associated commentary, as a requirement of this course.

LARCH 7015

Landscape Architecture Seminar II

- 2 units - semester 1
- 2-3 hours of lectures/tutorials/ workshops/field trips, contact hours vary week to week
- Eligibility: M.L.Arch. students only
- Assessment: projects and seminar papers

Corequisite: LARCH 7013 Landscape Architecture Studio II and LARCH 7014 Landscape Architecture Practice II

This course will address contemporary issues of landscape architecture design, planning and practice. The course will explore the role of landscape architecture in the design and planning disciplines and traditions; review and critique contemporary dialogues, designs, theories and philosophies in landscape architecture; and, consider and debate potential future directions, contributions and technologies for the landscape architecture profession.

Law

LAW 7001

Advanced Public Law (MCL)

- 3 units - not offered in 2005
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course will comprise an advanced study of selected issues in public law determined on the basis of importance, complexity, current relevance and staff availability and interest. Topics may include, but will not be limited to, a more detailed examination of some of the issues examined in the core public law courses in the LLB curriculum (for example Australian constitutional law, administrative laws, law of crime, corporate law) so as to develop a more advanced conceptual understanding of the underpinnings of the principles of public law including, for example, such matters as theories of constitutionalism; republicanism; the relationship between law and community; the principle of proportionality; the public/private distinction; the distinction between constitution/statute/common law; the nature of the judicial function; the nature of legislation; and the nature of the intersection of national and international law.

LAW 7002

Commercial Law and the Market (MCL)

- 3 units - semester 1
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course will begin with an investigation of the history of commercial law. Particular attention will be paid to the competing views over the origin and content of the law merchant and what lessons this debate provides for a student today. The possible purposes of commercial law will also be considered and the lessons these offer for an understanding of commercial law. The course then considers a basic issue of legal study - how much attention is paid to the law, in this case commercial law. Empirical and theoretical works encompassing a range of industries and perspectives will be examined to help answer this question. The course will also examine responses to the use of law in the market in light of the purposes of commercial law and the capacities of judges and the legal system to meet these purposes. The course will end with an investigation into the role of law in expanding the range of the market into new areas such as biotechnology and the Web.

LAW 7004

Jurisprudence (MCL)

- 3 units - semester 1
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course introduces some of the philosophical questions raised by the practical workings of law. We will examine the nature of law and legal reasoning and how law is related to other social institutions, practices or discourses (primarily morality, politics and ideology). Such issues have been long debated, though our discussions will focus on readings drawn from a variety of influential and critical contemporary perspectives.

The course also raises substantive issues of justice and morality. The primary aim is not to ask what the law should say in particular areas, but to examine some broader issues concerning the relationship between law, legal institutions and justice. Issues addressed will vary from year to year (depending, in part, on student interests) but may include: the role and value of the 'rule of law'; the communitarian critics of 'liberal' rights discourse; the economic analysis of law; the philosophical foundations of constitutionalism and the problem of constitutional interpretation; the extent of any moral obligation to obey the law; and how (if at all) law and legal institutions can help achieve justice in multicultural and/or post-colonial societies.

No background in philosophy is assumed, though students should have a basic understanding of common law reasoning and the Australian constitutional system.

LAW 7005

Labour & Industrial Relations Law (MCL)

- 3 units - semester 2
- 36 hours
- Available for Non-award study
- Assessment: assessment of class participation,7000 word research essay

The course will focus on the legal regulation of work relationships, both individual and collective, through an examination of the common law, statute, and international law. Topics include: a) the changing nature of work and law in the Australian and global context; b) the formation of work relationships: including the contract of employment, contract for services including an examination of non-standard work relations; c) industrial awards and conciliation and arbitration: including the nature of test cases and awards as part of the 'safety net', the roles of the Australian Industrial Relations Commission and the South Australian Industrial Relations Commission, the 'public interest' in industrial regulation, the role of trade unions and the legal concept of 'industrial dispute'; d) equality in work relations: including the intersection of anti-discrimination law and the law regulating work, equality and

enterprise bargaining; e) the law governing the breakdown of work relationships and security of employment: including at common law and the statutory provisions relating to the termination of employment; f) bargaining under the statutory system: including enterprise and collective agreements, parties and the role of trade unions, individual agreements and Australian Workplace Agreements, and protections for disadvantaged groups of workers; and g) freedom of association: including international law and freedom of association, individual and collective aspects of the statutory protection of freedom of association, strikes as part of the bargaining process, common law liability for strike action.

LAW 7006

Regulation of Competition (MCL)

- 3 units - summer intensive
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

A study of the encouragement, supervision and regulation of competition in Australia, with a particular focus upon the abuse of positions of market power and other restrictive trade practices such as anti-competitive cartels.

The course will also examine the role of the ACCC in enforcement & administration of the Trade Practices Act 1974, as well as the provisions for administrative authorisation of some anti-competitive conduct on public benefit grounds. A particular focus will be placed upon recent developments, including structural reforms in the light of post Hilmer competition policy.

LAW 7007

Comparative Constitutional Law (MCL)

- 3 units -semester 1
- 36 hours
- Assessment: participation 20%, exam 80%, or 5000 word research paper or 3 x 1500-2000 word papers

This course will explore a number of the essential features of constitutional law of Western countries which are comparable to Australia and will compare them with the equivalent features of the constitutional law of one or more other jurisdictions (including Australia). In particular the subject will consider the method, technique and role of the judiciary in the interpretation of the other constitutions. Other aspects that will be investigated include: Court structure; the executive; the legislature; the protection of fundamental rights; and federalism.

LAW 7009

Minerals and Energy Law (MCL)

- 3 units - semester 2
- 36 hours
- Prerequisite: LAW 1005 Property Law
- Assumed Knowledge: Law 2003 Australian Constitutional Law
- Assessment: 7000 word essay 80 %, class attendance & participation 20%

The course examines the law and practice relating to the ownership and development of on-shore and off-shore mineral and petroleum resources in Australia. It covers the development of legislation with reference to exploration, extraction and the enforcement of mining and petroleum interests. Community and social issues will be discussed, including the relationship between mining and indigenous people, environmental controls over mining production, health and safety in mining, and the corporate social responsibility of companies operating overseas, including the links between resource exploitation, the environment and human rights. We will look at international boundary disputes, including the dispute over the Timor Sea. The course will also deal with international and national laws and regulatory mechanisms to address climate change, including national and state legislation to encourage renewable energy resources, and the regulation of specific alternative energy resources such as wind, solar and geothermal energy. The regulation of the electricity industry and the regulation of uranium mining and nuclear energy will also be covered.

LAW 7012

Corporate Finance (MCL)

- 3 units - not offered in 2005
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course deals with the following aspects of the law relating to financial products and markets: Types of investment capital: debt and equity; Restructuring a company's share capital: reductions of capital and share buy-backs; Investment capital raising: the fund raising provisions of the Corporations Act; The regulation of managed investment schemes.

LAW 7017

Environmental Law (MCL)

- 3 units - semester 1
- 36 hours
- Prerequisite: LAW 1001 Introduction to Australian Law
- Assumed Knowledge: LAW 1002 Law of Torts, LAW 1003 Law of Contract, Law 2003 Australian Constitutional Law
- Assessment: 7000 word essay 80%, class participation 20%

An introduction to the concepts and principles which underpin environmental law from the international to the local level. The course will address Constitutional responsibilities and roles relating to the environment; sustainable development and the law; environmental planning through environmental impact assessment and land-use law; environmental protection principles, climate change and renewable energy; water resources law; and the protection of biological diversity.

LAW 7019
Aboriginal People and the Law (MCL)

- 3 units - winter intensive
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

History of the relationship between Aboriginal and non-Aboriginal people including governmental policies towards Aboriginal people: particular issues include racial discrimination, and rights, Mabo, native title legislation, Aboriginal customary law, the criminal justice system, reconciliation, social justice.

LAW 7024
Comparative Law (MCL)

- 6 units - semester 1
- 48 hours - 4 lecture hours, supplemented by seminars
- Assessment: Part A - multiple choice questionnaire 50%, Part B - essay questions 50% - 5000 word essay may be presented in lieu of Part B, seminar presentation (if required) 15%

This course will cover the following topics: comparative law as an academic discipline; the world's families of legal systems; comparative evaluation of the merits of differing legal solutions to social problems; legal history and comparative law; law understood as divine revelation and law as a human creation (exemplified by an analysis of the roots of European and North American law and a survey of the history and present day practice of Islamic law); the impact of the philosophy of the Enlightenment on European and North American law (the theory and practice of human rights and the codification movement in civil law and common law countries); codified and uncodified law, highlighting prominent features of civil law and common law systems, eg, the rule of precedent (common law), reliance on good faith (civil law) and differing standards of interpretation of statute law; the investigatory civil procedure (civil law) and the adversarial civil procedure (common law). Selected civil law judgments (translated into English) and common law judgments which have similar fact patterns will be compared.

LAW 7025
Dissertation (MCL)

- 6 units - semester 1 or 2
- 12000 - 15000 word essay

LAW 7027
Securities & Investment Law (MCL)

- 3 units - semester 2
- 36 hours
- Assessment: exam 100%, or exam 60% & 3000 word essay 40%, or exam 40% & 5000 word research paper 60%

This course deals with the following aspects of the law relating to financial products and markets: Defining financial products and financial markets; Misleading and deceptive conduct in financial product transactions; Financial market manipulation; Insider trading in financial products; Short-selling of financial products; The regulation of corporate takeovers.

LAW 7028
Comparative Environmental Law (MCL)

- 3 units - not offered in 2005
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

An examination and evaluation on a comparative basis of the environmental laws of a number of other countries, with particular emphasis upon United States, Canadian and European Community Environmental Law (for the purpose of comparing approaches to environmental management within differing federal systems). Attention will be directed also to environmental law in developing countries, particularly in South East Asian and Pacific regions. In this context, the difficulties of introducing legally enforceable environmental management regimes in lower income countries will be a particular focus.

LAW 7029
Tax and the Revenue Concept (MCL)

- 3 units - not offered in 2005
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course will cover the constitutional aspects of taxation and the distinction between capital and income receipts and deductions.

LAW 7032

International Justice and the Rule of Law (MCL)

- 3 units- summer semester
- 36 hours
- Available for Non-award study
- Assessment: participation 20%, working group project presentation 30%, 3000 word research paper 50%

This course examines the various paths countries take to move from conflict, dictatorship or apartheid to reestablishing the rule of law. The aim is to undertake a comparative analysis of these paths and to study their strengths and weakness. While it is generally accepted that there is no 'one size fits all' formula (as each conflict involves a myriad of factors), the challenge is to see whether countries can learn anything from each other's experiences. The course will examine and compare the measures used in the following countries: South Africa, Bosnia and Herzegovina, East Timor, Afghanistan, Rwanda, Guatemala, Sierra Leone, Cambodia, Kosovo and Iraq. The processes of constitution-making, prosecutions, truth commissions, reform of the justice system including the courts, police force and military, and the promotion of human rights in these countries will be scrutinised, particularly with respect to the role of the UN, NGOs governmental institutions and local communities.

LAW 7041

Selected Issues in Law of Crime & Procedure (MCL)

- 3 units - not offered in 2005
- 36 hours

The course will deal with specific issues in law of crime and procedure which will differ from year to year and will be considered in the light of developments in Commonwealth law of crime and of other Australian and overseas jurisdictions. (See Law Handbook for more detail).

LAW 7042

Technology Law (MCL)

- 3 units - semester 1
- 36 hours
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course will consider how the law impacts on technology - both by regulation and facilitation. The roles of statute, tort and contract will be considered, along with comparative and transnational approaches and extra-legal means of control of technology. These general issues will be considered in the setting of specific situations such as the following topics: the Internet (privacy, censorship, electronic transactions, advanced intellectual property issues); Biotechnology (Gene Technology regulation, biotechnology patents); Commercialisation of technology (practicalities, ethics, liability for technology).

LAW 7055

Comparative Corporate Rescue Law (PG)

- 3 units - semester 1
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The aim of the course is to identify the role of insolvency law regimes in the global corporate environment, with particular emphasis on formal and informal rehabilitation processes for corporations experiencing financial difficulties. The course will cover the following topics as they relate to corporate rescue systems operating in major trading regions of the world: when is rehabilitation appropriate; access to the process; protection afforded to the company on entering into the process; formulating a rehabilitation plan; the role of an independent administrator in the process; the role of creditors, members, and company officers in the process; the role of the court; informal v formal rehabilitation processes.

LAW 7056

Competition Law: Comparative Perspectives (PG)

- 3 units - semester 2
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course examines the policy objectives of competition law and the economic foundations of competition policy in the context of a comparative treatment between Australia, the United States and the European Union. The course considers the regulation of anti-competitive conduct such as price fixing, exclusive dealing and resale price maintenance. Comparative measures aimed at structuring a competitive market such as prohibitions on vertical and horizontal monopolisation will also be considered. The various roles of institutional bodies such as the ACCC, the US Federal Trade Commission and the European Commission will be examined. The operation of competition law in a global economy will also be a focus of the course. Topics covered will include:The extra-territorial reach of competition law; Efforts to co-ordinate international investigation through bilateral and multilateral treaty; Efforts to harmonise the enforcement of competition law through organisations such as the WTO and the OECD or an international competition agency.

LAW 7057

Corporate Governance (PG)

- 3 units - semester 1
- 36 hours
- Available for Non-Award study

- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The collapse of Enron and WorldCom in the United States and the collapse of HIH in Australia were seen as failures of corporate governance, and consequently have led to substantial and onerous new corporate governance requirements particularly in relation to audit committees. This course will examine the principles and practices that shape the current corporate governance debate. Students will examine:The relationship between corporate governance and corporate performance; The role, structure and composition of the board and other senior management company organs; The relationship between the board and management; The rights and responsibilities of shareholders including institutional shareholders; Risk management practices; Audit requirements; Executive remuneration; Corporate social responsibility.

LAW 7058

Dispute System Design and Implementation (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

Individual, organisations and countries have different needs and interests. Inevitably those needs and interests will conflict. The manner in which that conflict is dealt with will affect individual, organisational and national well-being. Ideally, dispute resolution systems at the local, national and international levels will deal with conflict efficaciously and fairly. This course examines the design and implementation of dispute resolution systems to achieve fairness, efficacy and the promotion of social welfare. Various methods of dispute resolution including negotiation, conciliation, mediation and arbitration will be examined in different contexts. The course will examine how best to choose between these various methods or how best to combine them to achieve an effective means of managing conflict with an emphasis on preventative lawyering.

LAW 7059

European Union Law (PG)

- 3 units - semester 1
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The European Union is one of Australia's major trading partners. European Union Law strongly impacts on the legal systems of its twenty-five Member States. It is important for Australian lawyers to understand how the legal system of the European Union operates in order to give advice on commercial transactions or other relations with the Union or any of its Member States. Furthermore, knowledge of EU law is today vital to comprehend the legal system of the United Kingdom.

The course examines the legal, administrative and political structure of the European Union. The basic treaties on which the European Union is founded and current issues such as demands for treaty reform and the EU's enlargement will be considered. Specific topics covered will include the difference between the European Union and the European Communities; the institutional structure of the Union; law making in the EU; the impact of EU Law on the legal systems of the Member States and on individuals, especially the doctrines of direct effect, supremacy and state liability; the single market with the four basic market freedoms and the single currency; the external relations of the Union, especially with Australia; the future of the EU.

LAW 7060

Federal Criminal Law (PG)

- 3 units - semester 2
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

Federal Criminal Law is now codified in the Commonwealth Criminal Code. The Code, which now consists of eight chapters, ranging in subject matter from theft, through terrorism to sexual slavery, is prefaced by a comprehensive codification of the general principles of criminal responsibility. The Code is not yet complete. Some significant areas of federal criminal law - drug related offences are the most notable example - have yet to be brought within the structure of the Code. Since December 15 2001, however, all Commonwealth criminal offences are subject to the general principles of criminal responsibility set out in the Code. The course will provide an overview of federal criminal law, ranging from the general principles to federal sentencing law. Topics will be drawn from the following list: Chapter 2: General Principles of Criminal Responsibility, Corporate Crime and Cultures of Non Compliance, Federal jurisdiction; Chapter 7:Theft, Fraud and Bribery; Chapter 4:Foreign Bribery; Chapter 10: Cybercrime; Customs Act; Drug Offences: Codification and the Constitution; The Civil/Criminal Divide: forfeiture and pecuniary penalties; Federal Sentencing Law.

LAW 7061

Globalisation and the Legal Regulation of Work (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course focuses upon the nature of globalisation and its impact in law, especially the law governing work. Students will consider the role of the ILO and the intersection of international trade law and labour regulation. In this context, students will examine the role of human rights and the development of corporate codes of conduct regarding labour matters. Students will also consider themes underpinning debate concerning the scope and application of labour regulation and the new forms of regulation governing work.

LAW 7062
Global Issues in Intellectual Property Law (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course will examine development of law and policy related to globalisation, cultural diversity, issues of world trade and the Internet. On the international level, students will examine the development of major international agreements, dispute resolution methods and for dealing with international disputes over intellectual property. In particular students will examine the significance of minimum standards of intellectual property rights required by the TRIPS agreement for members of the World Trade Organisation, as well as international developments for more effective protection of intellectual property rights in a digital information age reflected in WIPO's Copyright Treaty of 1996 and in the US/Australia free trade agreement. From a practical perspective students will also examine cross-border protection of intellectual property rights accompanying technology transfer, and transnational licensing and franchising.

LAW 7063
Government, Business and Regulation (PG)

- 3 units - semester 1
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course will examine legal principles of government procurement, including the powers and limitations on government instrumentalities entering into contracts, the respective roles of the three branches of government in the process, the processes of contract formation and ongoing contractual management, the resolution of disputes arising out of both processes and the various forums for dispute resolution. Topics will include: Open Tenders and Sealed Bids; Negotiation; The problems of offer, acceptance and consideration; The authority of government agents to contract; Crown privileges and immunities - including government liability in contract, tort and equity; The government and the Trade Practices Act and Fair Trading legislation; Contract Administration and Variation, including the impact of evolutionary or relational theories of contract upon the management of government contracts; Contract termination; Executive necessity; Legislative overriding of contractual obligations; Raising an estoppel against the government; Administrative law remedies for breach of contract; The accountability structure of government as it impacts on contract with government.

LAW 7064
Intellectual Property Law (PG)

- 3 units - semester 2
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course aims, through a treatment of laws relating to patents, trademarks, confidential information, copyright and other regimes, to examine the protection provided by the law in regard to ideas, inventions, information and other forms of creative effort. The course also aims to explore how the law deals with a particular problem, and how solving that problem the law must balance interests and protect investment while taking into account the public welfare and technological developments. The course will explore the inter-relationship of the different regimes in the commercialisation or exploitation of intellectual property. Upon completion of the course, students will have a basic grounding in the law of the area, its limitations, policies and objectives, including the basic features of the various systems of protection.

LAW 7065
International Commercial Arbitration (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

International commercial arbitration has become the primary form of dispute resolution in international trade settings. This course will consider: The nature of international arbitration including its advantages and disadvantages as a form of dispute resolution in the international trade context; The distinction between international and domestic arbitration; Jurisdictional issues relevant to international arbitration; Choice of Law in International Arbitration; UNCITRAL Model Law and its application in Australia and elsewhere; Other model rules; Enforcing international arbitration agreements; Appointment and qualifications of arbitrators; Due process review of the arbitration - including bias, failure to observe procedural fairness; Privacy and Confidentiality of the parties and evidence; Challenging the award; Enforcing the award.

LAW 7066

International Conflicts of Law (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course deals with the law applicable to international business transactions, including the law of contract, the law of torts, and equitable duties. It will also examine the recognition of foreign law as well as the recognition of Australian law overseas, in particular of law, which purports to apply extraterritorially. In this context, the course will critically evaluate whether the law appropriately balances comity against sovereignty. The development of international treaties to achieve such a balance will also be considered. The jurisdiction of Australian courts over defendants resident in other countries and the mutual recognition of jurisdiction over Australian defendants by foreign courts will be studied. Consequently, the recognition of foreign judgements and awards and international treaties governing mutual recognition will also be examined.

LAW 7067

International Criminal Law (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course examines the general principles of international criminal law as well as the fundamentals of international criminal procedure, providing a practical and theoretical framework for the rules, concepts and legal constructs key to the subject.

LAW 7068

International Energy Law (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course examines the formulation of international energy law and policy at an international level in organisations such as: United Nations – UNEP, UNDP, IAEA; OECD - IEA, NEA; World Bank, ERBD and other financial institutions. It will also examine state jurisdiction over: Energy resources and co-incident activity; The regulation of exploration for oil and gas; Maritime and overland transport of oil and gas.

The intersection between state jurisdiction and international energy law as well as international trade law through WTO law will also be considered.

LAW 7069

International Law (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course provides those wishing to specialise in international law treatment of: Recognition of states; State responsibility; State sovereign immunity and other immunities; The institutional framework for the formulation and recognition of international law; International jurisdiction; International dispute resolution; The role of the International Court of Justice; International intervention.

LAW 7070

International Trade Law (PG)

- 3 units - semester 2
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course will examine the law governing international transactions including contracts for the sale of goods, transport, payment and insurance. In addition, the course will look at the legal vehicles available to facilitate international transactions including distribution, agency, licensing, franchising and transfer of technology. Dispute resolution methods applicable to international transactions will be examined. Choice of law and the recognition of foreign awards and judgements will also be considered.

LAW 7071

Superannuation Law (PG)

- 3 units - semester 2
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course will examine the regulatory framework governing superannuation. It will begin by examining the development of superannuation and how the law has responded to those developments. Trends in superannuation and characteristics of superannuation funds will be examined against a backdrop of a matrix of equitable, statutory and common law duties. Topics covered in the course will include: The obligations of trustees and rights of beneficiaries, both statutory and fiduciary will be

considered; Trustees duties in relation to investment; The institutional role of APRA; The institutional role of ASIC; Review of trustee decision making; The role of the Superannuation Complaints Tribunal; Taxation aspects of superannuation; The superannuation guarantee charge, reasonable benefit limits, death and disability benefits; Superannuation and Divorce.

LAW 7072
The Law of Work in the New Economy (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course examines the impact of deregulation and new technology in the workforce focussing on issues such as non-standard labour relations, the impact of restructuring of business on employment and labour relations, privacy in the workplace and the use of new technology.

LAW 7073
Transnational Crime and Terrorism (PG)

- 3 units - semester 2 or winter intensive
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

Contemporary Crime and Criminal Justice is increasingly characterised by the globalisation of criminal activities and international efforts to combat transnational crime. The focus of this course is with the growing body of international criminal law, increasing numbers of international conventions to combat transnational crime and domestic efforts in Australia to accede to and implement this body of law. This course is concerned with the criminalisation of transnational criminal activities, and national, regional and international efforts to investigate such crime and prosecute offenders. The course examines the opportunities and limitations of international conventions on the prevention of crime. Australia's experiences with transnational criminal activities and its efforts to fight these activities.

LAW 7074
Transitional Justice (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

Transitional justice is those measures by which a society accounts for past abuses as it transits from a state of conflict, apartheid or dictatorship, where the perpetrators of violence enjoy impunity, to civil peace, where the state seeks to provide justice and security to its citizens. In this course, students consider the effectiveness of these measures, which include constitution-making, amnesty agreements, truth commissions, lustration processes and courts, whether international, local or hybrid. These measures are examined through case studies: South Africa's Truth and Reconciliation Commission, the work of international organizations and courts in Bosnia and Herzegovina, the United Nations' Mission in East Timor, local 'Gacaca' courts in Rawanda and the process of drafting constitutions in countries such as Afghanistan and Iraq. The course also addresses the aims of these transitional measures, for example, the fact that restorative justice in the form of a truth commission places emphasis on the need for reconciliation between victims and perpetrators rather than simply punishment of the latter.

LAW 7075
Wine Law (PG)

- 3 units - semester 1
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course aims to foster an understanding of the legal framework in which the wine industry operates both domestically and internationally. It examines a number of legal issues of commercial concern to grape growers, wine producers, wine wholesalers and wine retailers. Issues included are: basic licensing requirements for establishing a vineyard, retail outlet and restaurant; business organizations and relationships; transactions among wine industry participants (including e-commerce); protection of commercial identity; wine label law; product liability; environmental and planning law, biotechnology rights and export control.

LAW 7076
World Economic Law (PG)

- 3 units - not offered in 2005
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The course examines the institutions and operations of the basic blocks of the international trade law system after the inauguration of the World Trade Organisation. The institutions examined include the World Trade Organisation; the World Bank Group; the International Monetary Fund; the UN Group; the EU and NAFTA; and commodity exchanges. The course examines the aims and objectives of these organisations and critically evaluates their

success in implementing their aims and in fostering stable international trading and monetary systems.

LAW 7078

Revenue Law (PG)

- 4 units - winter break
- 40 hours
- Available for Non-Award study
- Eligibility: M.Bus.Law students only
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course will cover the constitutional aspects of taxation and the distinction between capital and income receipts and deductions, the provisions of part 3.1 and 3.2 of the Income Tax Assessment Act 1997, which relates to Capital Gains Tax. In addition, this course will deal with tax accounting, income assignments and the taxation of entities (in particular partnerships, companies and trusts) and tax avoidance.

LAW 7079

Corporate Law (PG)

- 4 units - semester 2
- 40 hours
- Available for Non-Award study
- Eligibility: M.Bus.Law students only
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

Examination of the legal regulation of corporate activity including formation; comparison with non-corporate entities, attributes of corporate personality (property, contract, tort, member liability); the corporate contract; corporate governance (directors' duties, shareholder primary norm, members' rights and remedies); public regulation of corporate activity (ASIC and ASX); corporate finance (debt and equity); corporations in financial trouble (administration, receivership and winding up); and rights attendant upon dissolution.

LAW 7080

Human Rights Internship Programme (MCL)

- 3 units - semesters 1, 2 and summer
- 30 hours
- Quota may apply.
- Prerequisite: LAW 2085 Human Rights Law
- Assessment: 5000 -7000 word portfolio - including major research essay, explanation of how chosen organisation operates, and brief exposition on research methodology

The course involves students undertaking unpaid 'internships' with human rights organisations located internationally and nationally for a period of 8-12 weeks. The internships enable students to build on their understanding of the theory of human rights law by gaining an appreciation of its practical operation. The course aims to give depth and context to students' existing knowledge of human rights law. During the internship, the students undertake an agreed research task under the supervision of a senior person at the chosen human rights organisation. This research task might involve research into a specific area of law or policy for the purpose of a 'test-case' being run in the courts, for the drafting of a report, or the preparation of educational material. The research task will be negotiated by the student and the organisation, with the approval of the course coordinator. It is expected that students will also be involved in the day-to-day activities of the organisation and gain an understanding of how such organisations operate. Prior to commencement, students will be given orientation to introduce them to the strategies and procedures generally employed by human rights organisations. The orientation will be conducted by the course convener in conjunction with practitioners in the field.

LAW 7083

Australian Constitutional Law (MCL)

- 3 units semester 1
- 36 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

The Australian constitutional system. Selected topics including: introduction to Federal and State Constitutions, both written and common law; historical background and theories of constitutionalism; the doctrine of separation of powers, including the nature of legislative, executive and judicial power at both Commonwealth and State levels; the legislative power of the Commonwealth and the States: including the process of characterisation and an examination of heads of power specified in s51 and s52; relations between the Commonwealth and the States and the resolution of inconsistencies between laws; representative and responsible government; including the relation of citizens and their parliaments, the relation of executive government to the parliaments, and the implications in the constitutions drawn from representative and responsible government; the commonwealth and the states as a social and an economic union: including the constitutional place of indigenous peoples and the law relating to sections 117 and to sections 90 and 92.

LAW 7084

Human Rights:Int & National Perspectives (MCL)

- 3 units - semester 1
- 36 hours
- Assessment: participation 20% , 5000 word research paper or 3000 word paper presentation 80%

The aim of this course is to have students consider the legal, philosophical and sociological underpinnings of human rights; students will be encouraged to think critically about the views they hold and the values reflected in the Australian and international legal systems. The course will focus on the United Nations and its role in formulating, interpreting and monitoring human rights. A further component of the course will be the protection of human rights in Australia.

LAW 7085

Law of Contract (MCL)

- 3 units - semester 1
- 36 hours
- Assessment: 7000 word essay 100%, or 7000 word essay 75% & 1000 word assignment 25%

Acquaints students with the content and application of the common law, equitable and statutory rules relating to enforceable agreements and puts those rules in their practical and social perspective. Although the course is not concerned with the various statutory modifications made with respect to specific classes of contract (eg employment, land, consumer finance, etc), which are dealt with in other courses, an understanding of the basic conception of a contract is vital not just as a starting point for those statutory models but also for an understanding of everyday commercial agreements. The following topics will be covered: Creation and content of a contract (formation, privity, agency, terms); Statutory remedies for misleading and deceptive conduct in trade and commerce, misrepresentation; unconscionable dealing, improper pressure; discharge of obligations (breach, frustration, variation and discharge by agreement); Remedies (enforcement, compensation, restitution).

LAW 7086

Law of Crime (MCL)

- 3 units semester 1
- 36 hours
- Assessment: to be advised

The purpose of the course is to provide an account of the nature and purposes of law of crime, the general principles of criminal responsibility as well as a detailed examination of selected substantive offences. The course is also designed to provide students with a basic understanding of criminal procedure. The substantive offences to be considered will include fatal and non-fatal offences against the person, and selected property offences. The course will examine attempted offences and preparatory crime, with particular reference to impossibility and the law related to illicit drugs. It will also canvass the major defences to crime, including self-defence and provocation.

LAW 7087

Law of Torts (MCL)

- 3 units - semester 1
- 36 hours
- Assessment: to be advised

The tort of negligence including defences, with some consideration of damages, concurrent liability and alternative methods of providing compensation for accidental injury. A representative range of other torts and their defences which may include intentional torts to the person, trespass to land and defamation.

LAW 7088

Medical Law and Ethics (MCL)

- 3 units - semester 1
- 36 hours
- Quota may apply
- Assessment: 3000 word essay 80%, class presentation & participation 20%

The course provides an introduction to ethics generally and then to medical ethics, examining in particular the principle of autonomy, which informs much of medical law. Medical practitioners are meant to act in a way which preserves patient autonomy, which allows the patient to make informed decisions about their treatment. The course then considers the general part of medical law governing the legal relationship between medical practitioners and their patients. It considers the legal implications of the provision of medical advice, diagnosis and treatment, drawing mainly on the tort of negligence but also parts of the Law of Crime, in particular the offences against the person. Selected medico-legal issues over a human life are then examined. They may include reproductive technologies, abortion, foetal rights, research on human subjects, organ donation, the rights of the dying and the legal definition of death.

LAW 7089

Public International Law (MCL)

- 3 units - semester 2
- 36 hours
- Assessment: 5000 word essay

The basic course in public international law includes the following topics: The nature, function and relevance of international law, the structure of the international community, the sources of international law, the relationship between international law and municipal law, the participants in the international legal system,jurisdiction, state responsibility, use of force.

LAW 7090

Roman Law (MCL)

- 3 units - semester 1
- 36 hours
- Assessment: 5000-7000 word paper on topic negotiated between instructors & student 70%, class participation 15%, class presentation 15%

The aim of this subject is both comparative and analytical. It aims to compare the substantive content of Roman, canon and common law, as well as the contemporary and cross-cultural operation of those legal systems. Analytically, the entire subject is directed toward answering one question: Why has the Roman influence on canon law and common law been overlooked? Closely related to this is the general oversight in the contemporary Australian legal academy of the operation of religious law. Both of these concerns will be explored using the Roman law as a starting point.

LAW 7091

Statutory Interpretation (MCL)

- 3 units - winter intensive
- 36 hours
- Available for Non-Award study
- Quota may apply
- Assessment; 1500 word discussion paper & seminar discussion on topic related to syllabus 20%, 7000 word research paper 60%, class participation 20%

The history of the relationship of Courts and Parliament in respect of statutes. The development of principles of literal and intention based interpretation. A comparative analysis of US, European and Anglo-Australian law on the use of purpose. Is the purpose Parliament's or that of the legislation? Purpose to be compared with literalism. The importance of context. Controversy rages between those who interpret statutes strictly by the standard of the time at which the statute was passed (originalists), and those who interpret in the light of contemporary context (dynamists). Comparative case study: US, European and Australian approaches to competition law statutory provisions. The 'political' dimension to statutory interpretation. Times of high political tension eg after a new Government is left with the former regimes disliked legislative provisions, which are now the subject of Court interpretation. When may courts "read words into" statutes? Limits on governmental liability and amenability to statutory provisions. The operation of provisos in statutes. The impact of amendments to head legislation: interpreting the final product.

LAW 7092

Contractual Relations

- 4 units - semester 1 or 2
- 36 - 40 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course acquaints students with the content and application of common law, equitable and statutory rules relating to enforceable agreements and puts those rules in their practical and social perspective. Although the course is not concerned with the various statutory modifications made with respect to specific classes of contract (eg employment, land, consumer finance etc), which are dealt with in other courses, an understanding of the basic conception of a contract is vital not just as a starting point for those statutory models but also for an understanding of everyday commercial agreements. The following topics will be covered: Creation and content of a contract (formation, privity, agency, terms); statutory remedies for misleading and deceptive conduct in trade and commerce; misrepresentation; unconscionable dealing; improper pressure; performance and discharge of obligations (performance, breach, frustration, variation and discharge by agreement); and remedies (enforcement, compensation, restitution).

LAW 7093

Negligence and Intentional Wrongs

- 4 units - semester 1 or 2
- 36 - 40 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course considers the tort of negligence including defences, with some consideration to damages, concurrent liability and alternative methods of providing compensation for accidental injury. A representative range of other torts and their defences that may include intentional torts to the person and torts to physical objects will also be examined.

LAW 7094

Principles of Australian Law

- 4 units - semester 1 or 2
- 36 - 40 hours
- Available for Non-Award study
- Assessment: participation, assignments/research paper and/or exam as determined at first seminar

This course provides the introduction to Australian Law and Legal System, forming a basis for the further study of law. In particular, the course examines law making and court processes and hierarchies in Australia; the role of Courts and legislature in Australia, including their historical background and the development of the Australian legal system; legal system taxonomy, including the Australian federal system, public and private law, other families of legal systems, including the international legal system and comparative law; an introduction to

human rights law; and an introduction to legal theory, addressing the nature of law and critical legal thinking. The course will also provide an introduction to legal research and problem solving.

LAW 7111

Introduction to Australian Law (MCL)

- 4 units - semester 1 or 2
- 48 hours
- Assessment: class participation, written assignment(s), exam

This course provides an introduction to development and operation of the Australian legal system, including the historical background and the development of the Australian legal system and its components; Legal System taxonomy, including the Australian Federal system. public and private law; other families of legal systems, including the International legal system and comparative law; an introduction to human rights law; and an introduction to legal theory, addressing the nature of law and critical legal thinking. The course will also provide an introduction to legal research and problem solving.

LAW 7112

Remedies (MCL)

- 3 units - semester 2
- 36 hours
- Assessment: exam 100% or 50%, 3000 or 5000 word essay 100% or 50%

An examination of general law remedies available. Specific topics will include: (i) common law damages (ii) the declaration (iii) the injunction, including an examination of specific problem areas, for example, balance of convenience, interlocutory injunctions and damages in lieu (iv) specific performance (v) constructive trusts (vi) compensation (vii) account of profits (viii) minor remedies.

LAW 7113

Commercial Equity (MCL)

- 3 units - semester 2
- 36 hours
- Assessment: exam 100% or 50%, 3000 word essay 100% or 50%

The penetration of equity into modern commercial life; commercial fiduciaries; equitable security transactions, with particular regard to Romalpa clauses; subrogation and contribution; set-off; marshalling; trusts in a commercial context: trusts and superannuation; the Quistclose trust; the imposition of constructive trusts into commerce; commercial trustees; commercial equitable remedies, particularly Mareva injunctions and Anton Piller orders.

Linguistics

LING 5001

Computer Assisted Language Learning - CALL

- 6 units - semester 2
- Eligibility: postgraduate Applied Linguistics students
- Assessment: review of CALL research, documentation of project on the use of information technologies for communication

A practical introduction to the use of information technology, this course develops skills in the creation and use of electronic environments for communication and educational purposes. Students have the opportunity to develop projects with applications to workplaces.

LING 5004

Language and Meaning

- 6 units - semester 1
- Eligibility: postgraduate Applied Linguistics students
- Assessment: text analyses, report of investigation into language use

Language is embedded in everyday actions as it is used to carry out different functions. The purpose of this course is to investigate the linguistic choices which differentiate uses of language, for example the differences between spoken and written language, between academic discourse and informal language. Students are introduced to the analysis of texts using functional grammar.

LING 5008

Language and Environment

- 6 points - not offered in 2005
- Eligibility: postgraduate Applied Linguistics students
- Assessment: assignments to a total of 8-9000 words or equiv

This course examines both the central role of human languages in the perceptions of environmental matters (language of ecology) and the nature of the environment in which such languages can survive (ecology of language). Students will learn to apply available linguistics techniques and methods to the analysis of environmental discourse and will learn about the inter-dependencies between linguistics and cultural diversity. A wide range of primary English language documents will be analysed and contrasted with environmental discourse in languages other than English. Students will find out about the rapidly growing ecolinguistic literature published around the world. Topics include: Ecolinguistic literature around the world, Environmental metaphors, Analysing environmental discourse, Ecospeak, Environmental terminology: changes and cross-cultural perspectives, Comparisons.

LING 5009

Language Teaching in Specific Settings

- 6 units - semester 2
- Eligibility: postgraduate Applied Linguistics students
- Assessment: critical review of topic on curriculum design, documentation of curriculum in action, curriculum design project

For this course students study contemporary curriculum principles and the design of curriculum for different purposes and contexts. The contexts include teaching English to speakers of other languages (TESOL), first language education and adult literacy. There is a particular focus on curriculum in action together with a critical review of various approaches to curriculum design.

LING 5010

English for Academic Purposes

- 6 units - not offered in 2005
- Eligibility: postgraduate Applied Linguistics students
- Assessment: 3 assignments analysing discipline-specific texts

The aim of this course is to extend students' command of English language for working in academic and educational contexts. Students analyse characteristic features of academic texts from different disciplines.

LING 5011

Language and Learning

- 6 units - semester 1
- Eligibility: postgraduate Applied Linguistics students
- Assessment: review of research, report on research project

In this course students analyse leading-edge developments in language and literacy education. The course combines practical teaching strategies with theoretical analyses of language and language learning. The course has applications to teaching English to speakers of other languages (TESOL) as well as to literacy and language education.

LING 5030

Language and Communication Planning

- 6 units - not offered in 2005
- Eligibility: postgraduate Applied Linguistics students
- Assessment: 4000 word essay, 5 practical exercises or annotated diary of data observation - analysis totalling 5000 words

Students will be familiar with the ecology and sociology of language approaches to language maintenance as well as the technical linguistic apparatus needed in the area of language engineering. Particular attention will be given to language planning in Australia and neighbouring countries. At the end of this course students will have an understanding of the wider ramifications of language planning and maintenance as well as skills in the area of micro language engineering.

LING 5041

Action Research

- 3 units - semester 1 or 2
- Eligibility: pre-2005 Grad.Cert. Applied Linguistics students
- Assessment: written documentation of action research project, seminar presentation

In this course students conduct small-scale investigations into language practices in educational and other workplace settings. Project topics are negotiated with the Course Coordinator. The investigations are documented and reported in postgraduate seminars.

LING 5059

Special Topic in Linguistics

- 6 units - semester 1 or 2
- Eligibility: postgraduate Applied Linguistics students
- Assessment: 4000 word essay, 5 practical exercises or annotated diary of data observation - analysis to a total of 5000 words

Content is based on areas of expertise of Distinguished Visiting Scholars.

LING 5101

Computer Assisted Language Learning (Grad Cert)

- 3 units - semester 2
- Eligibility: pre-2005 Grad.Cert. Applied Linguistics students
- Assessment: report on research on a topic in CALL, documentation of a project on the use of information technologies for communication

A practical introduction to the use of information technology, this course develops skills in the creation and use of electronic environments for educational purposes. Students have the opportunity to develop projects with applications to workplaces.

LING 5103

Directed Study in Linguistics

- 3 units - semester 1 or 2
- Eligibility: pre-2005 Grad.Cert. Applied Linguistics students

Content to be negotiated with the Program Coordinator.

LING 5104

Language and Meaning (Grad Cert)

- 3 units - semester 1
- Eligibility: pre-2005 Grad.Cert. Applied Linguistics students
- Assessment: text analysis, report on practical project

Language is embedded in everyday actions as it is used to carry out different functions. The purpose of this course is to investigate the linguistic choices which differentiate uses of language, for example the differences between spoken and written language, between academic discourse and informal language. Students are introduced to the analysis of discourse and texts using functional grammar, conversational analysis and critical language analysis.

LING 5109

Language Teaching in Specific Settings (Grad Cert)

- 3 units - semester 2
- Eligibility: pre-2005 Grad.Cert. Applied Linguistics students
- Assessment: critical review of topic on curriculum design, report on a curriculum observation

For this course students study contemporary curriculum principles and the design of curriculum for different purposes and contexts. The contexts include teaching English to speakers of other languages (TESOL), first language education and adult literacy. There is a particular focus on curriculum in action together with a critical review of various approaches to curriculum design.

LING 5111

Language and Learning (Grad Cert)

- 3 units - semester 1
- Eligibility: Grad. Cert. Applied Linguistics students
- Assessment: review of research on selected topic, report on practical project

In this course students analyse leading-edge developments in language and literacy education. The course combines practical teaching strategies with theoretical analyses of language and language learning. The course has applications to teaching English to speakers of other languages (TESOL) as well as to literacy and language education.

LING 5501

Dissertation in Linguistics F/T

- 12 units - semester 1 or 2
- Eligibility: M.A.(Applied Linguistics) students
- Contact hours to be advised
- Assessment: Dissertation of 18000 words

LING 5502A/B

Dissertation in Linguistics P/T

- 12 units - full year
- Eligibility: M.A.(Applied Linguistics) students
- Contact hours to be advised
- Assessment: dissertation of 18000 words

Management

MANAGEMT 7000

Entrepreneurship

- 3 units
- Prerequisite: Accounting for Managers, Marketing Management
- Assessment: assignments, case study analyses, group or individual projects, class participation

Entrepreneurship is increasingly recognised as an important driving force in the economic development and prosperity of a community. While broader issues of entrepreneurship are covered, the course focuses on entrepreneurship in new venture creation, identifying opportunities, business planning for a new venture, obtaining venture capital, growth, technological innovation, harvesting wealth and coping with failure and bankruptcy.

MANAGEMT 7002

European Business Strategy

- 3 units
- Prerequisite: Strategic Management
- Assessment: assignments, case study analyses, group or individual projects, class participation

The development of the European Union (EU) over the last 20 years or so has had major strategic implications for companies within the member countries. Given that the EU is one of the major regional markets in the world, the EU also has had significant implications for the competitive strategies of companies in non-EU countries. As membership of the EU continues to expand and the degree of economic integration of the member countries increases, its significance for the rest of the world will increase. The EU has been traditionally important to Australian companies as an export market and also for the location of offshore operations. This course will examine the strategic implications of the EU for companies inside and outside of the Union, and provide participants with an understanding of the topics necessary to successfully implement strategies within the EU. Topics include an analysis of the European environment and the single market concept, developing a sustainable competitive position in a European context, the impact of the EU on organisational structure, developing strategic alliances within the EU, and implementing strategies in the single European market.

MANAGEMT 7009

Public Sector Management

- 3 units
- Assessment: assignments, case study analyses, group or individual projects, class participation

This course will acquaint students with the special and unique characteristics of management in the public sector, and the key issues facing public sector managers. Topics to be covered may

include the interaction of public sector organisations and the political process; the opportunity for strategic planning; the machinery of government; public finance and resource allocation; the management of human resources in the public sector; accountability; service delivery; the organisation of public commercial activities.

MANAGEMT 7012

Business Performance Improvement

- 3 units
- Prerequisite: Fundamentals of Leadership, Accounting for Managers, Managerial Finance, Economics for Management, and Managing Contemporary Organisations
- Assessment: Individual assignment, group assignment, group presentation, participation in class activities

This course provides students with the knowledge and skill-set required to formulate and implement sustainable improvement strategies aimed at improving business performance and overall competitiveness. It provides a practical appreciation and understanding of the various improvement strategies and techniques that have come to prominence during the past few decades, including Total Quality Management, Business Process Re-engineering and more recently Six Sigma. It considers these approaches and their use against the broader agenda of how to achieve sustainable improvement and the development of sustainable sources of competitive advantage.

In particular, students are introduced to the idea of 'process thinking' and related concepts such as cost of quality, complexity, variation etc. i.e. considering the business and identifying improvement opportunities by viewing it from a process perspective. Students are also introduced to methodologies for business review and diagnosis - similar to the approaches used by the major management consulting firms.

The later stages of the subject considers implementation issues arising with business performance improvement strategies to ensure that organisations are able to learn and achieve cumulative improvements over time, rather than temporary 'fad chasing' as is often the case.

MANAGEMT 7015

Business in East Asia

- 3 units
- Prerequisite: Strategic Management

This course examines contemporary business activity and the business policy environment in the economies of both Northeast and Southeast Asia. It has an explicitly regional focus within which each of the more important economies is given some degree of separate attention. This permits participants to familiarise themselves with some of the historical and institutional features of the region, country by country and, thereby, deepen their understanding of local business custom and preference. In this way, the course provides useful background for those may be considering initial forays into 'new' markets in the region, or, those who want to further develop their relationship with regional business partners. Local case studies are used.

MANAGEMT 7020

Interpersonal Skills

- 3 units
- Prerequisite: Managing Contemporary Organisations
- Assessment: to be advised

The aim of this course is to develop practical management and leadership skills, using an approach and methods applicable across a wide range of interpersonal contexts. Course methods will include lecture inputs, case exercises and syndicate analysis and discussion, and will also include experiential learning methods, such as the recording and analysis of video simulations. Topics include impression management, behaviour flexibility, interaction styles, selection interviewing, appraising and counselling, committee and team skills, and presentation skills. The session/s devoted to presentation skills will also contribute towards candidate assessment.

MANAGEMT 7022

Business Law

- 3 units

This course will introduce managers to a range of legal issues that impact on their business and on their duties and responsibilities as managers. There is an increasing trend in the law to make managers personally liable for breaches of the law by their business. The course will help managers to identify areas of legal liability and risk and suggest how to minimise legal risk.

The topics covered in the course include an introduction to the Australian legal system, the law of business structures, contract law, intellectual property law, employment law, law of business torts, consumer protection law, competition law and electronic commerce law. In each topic, emphasis is placed on identifying the legal duties that apply to a manager and the legal liabilities that may be attracted by their actions.

MANAGEMT 7025

Company Failure and Renewal

- Prerequisite: Accounting for Managers; Managing Contemporary Organisations, Managerial Finance

This course should create an awareness of the reasons why organisations experience crises and what might be done to identify problems, to avoid potential failure and to transform organisations to enable them to succeed in the future. The symptoms, causes and processes of failure will be examined in depth, as well as the techniques, both quantitative and qualitative, that may be used to identify the onset of difficulties as early as possible. In particular,

the following issues will be addressed: what failure means; how it is caused; how its approach can be identified from within the organisation; the process of organisational decline; how failure in companies may be predicted from their financial reports; how cultural differences can influence failure; what can be learnt from past collapses; insolvency law and how it affects companies and those who manage them; opportunities and strategies for business revival; whether there might be a new beginning for businesses after failure; strategies for turnaround and transformation; cases related to failure and turnaround.

MANAGEMT 7031

Operations Management (Mgt)

- 3 units to be advised
- Prerequisite: Strategic Management
- Assessment: assignments, case study analyses, group or individual projects, class participation

This course examines the role of the Operations Manager and addresses both traditional and contemporary issues involved in the effective management of operations. Topics covered include the traditional areas of operations strategy, operations analysis and systems design, the management of materials flow and inventories, production planning and control. Contemporary issues include total quality management and the management of quality, benchmarking, technology, maintenance management, the changing views of workforce management and productivity, the linkages between business strategy, marketing and operations, and operations as a source of competitive advantage.

MANAGEMT 7039

Management of Change

- 3 units
- Prerequisite: Fundamentals of Leadership, Managing Contemporary Organisations
- Assessment: assignments, case study analyses, group or individual projects, class participation

This course examines the changing environment in which organisations operate and how managers might utilise this change. The role of the manager in managing change, both planned and unplanned, is a focus of the course. Theories of change, how individuals are affected by and can influence change will provide the theoretical foundations for this analysis. Students will also develop an understanding of change as it occurs at the individual group and organisational level.

MANAGEMT 7040

Project Management (AGBS)

- 3 units
- Prerequisite: Accounting for Managers, Managing for Value Creation or Managerial Finance
- Assessment: assignments, case study analyses, group or individual projects, class participation

This course investigates the increasing use of projects to accomplish limited duration tasks in many organisations and the unique style of administration required to manage them. Projects considered include RandD studies, campaigns, construction, emergency operations and other such endeavours. Topics include the selection of projects, creativity and technological forecasting, the role of the project manager, how to organise and plan a project, negotiation and conflict resolution, budgeting and cost estimation, project scheduling (PERT/CPM) and resource location among multiple projects, project monitoring and information systems (including project management software), controlling projects, auditing projects, ways of terminating projects and running projects in multicultural settings.

MANAGEMT 7041

International Marketing

- 3 units
- Prerequisite: Marketing Management
- Assessment: assignments, case study analyses, group or individual projects, class participation

Marketing Australian products and services overseas requires an understanding of cultural, economic and political forces that strongly influence business strategies regardless of firm size. It is, however, recognised that the resources available to large and small exporters are quite different and therefore the approaches taken to developing export markets are different. This course aims to build a series of frameworks that will enable the student to develop market entry and market development strategies in global markets. Market development strategies rely on an analysis of international markets and implementation of an international marketing mix, which will be adapted to international buyers.

MANAGEMT 7042

Corporate Strategy

- 3 units
- Prerequisite: all compulsory core courses in the MBA program
- Assessment: examination, written assignments, case study analyses, group or individual projects, class participation

An integrated study of strategic decision making in organisations that builds on the concepts introduced in Strategic Management, and on knowledge gained from previous studies in functional areas of management. Prior studies in business level strategic management enables the focus in this course to be directed towards corporate and multi-business strategy, on globalisation and cross organisational relationships, and on the role of the senior management team. The course is based on presentations by the course coordinator, on case studies, and group presentations on organisational strategies. Specific topics include diversification, managing the multi-business organisation, mergers and

acquisitions, transformation, strategic alliances, globalisation, top management teams, and the implications of developments in information technology and communication for corporate strategies.

MANAGEMT 7044

Strategic Management (AGSB)

- 3 units - trimester 1, 2 or 3
- Prerequisite: Fundamentals of Leadership, Managerial Economics, Accounting for Managers, Marketing Management
- Corequisite: Managing Contemporary Organisations and Managing for Value Creation or Managerial Finance
- Assessment: exam, written assignments, case study analyses, group or individual projects, class participation

This course presents a unified way of thinking about the issues of strategic thinking and the management of change. Strategic thinking involves searching for a favourable and sustainable, competitive position in an attractive industry; while the management of change, from a strategic perspective, is concerned with innovation and the transformation of resources and skills into strategic capabilities that provide the bases for sustainable advantages. Positioning - once the heart of strategy - is rejected as too static for today's dynamic markets and changing technologies. This course argues that the quest for productivity, quality, and speed has spawned a remarkable number of management tools and techniques and almost imperceptibly these management tools have taken the place of strategy. Strategic continuity should make an organisation's continual improvement more effective and must not imply a static view of the competition.

Strategic management is important because it can help focus the firm in terms of the customer. It also identifies a direction for the firm and enables a clear articulation of the path chosen. The process of developing strategy adds value and understanding throughout the organization, leading to managers thinking strategically.

MANAGEMT 7045

Services Marketing

- 3 units
- Prerequisite: Marketing Management
- Assessment: assignments, case study analyses, group or individual projects, class participation

Services dominate the Australian economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. For manufacturers like GE and IBM, services represent their primary growth and profitability strategies into the 21st century. Superior service quality drives the competitive advantage of excellent companies like Marriot Hotels and FedEx, traditional service businesses. And the Internet is one big service, the success of companies using this channel will depend heavily on the quality of their services from the customer's point of view. This course aims to provide an understanding of the theory and practices in the development and execution of service relationship marketing strategies.

MANAGEMT 7046

Negotiation Skills

- 3 units
- Prerequisite: Fundamentals of Leadership, Managing Contemporary Organisations
- Assessment: assignments, case study analyses, group or individual projects, class participation

The purpose of this course is threefold. The first is to explore the major concepts and theories of negotiation, as well as the dynamics of interpersonal and intergroup conflict and its resolution. This will entail material about the structural (eg parties, positions, interests) and process (cognitive, interactional) dynamics that are required for a sound critical background. The second objective is to develop skills relevant to a broad range of applied contexts. This involves direct training in identifying crucial elements of negotiation situations and implementing appropriate resolution strategies. The third objective is to develop teamwork skills by working within and through group exercises.

MANAGEMT 7049

Topics in Marketing: Global Branding

- Prerequisite: Marketing Management

This course focuses on global branding strategies in Europe, Asia and the Americas. The objective of the course is to provide the student with the knowledge, analytical skills and practical branding tools, which support effective planning, and implementation of global branding strategies. The course capitalizes on branding strategy concepts and real life cases which highlight the latest knowledge and expertise of global branding in companies such as Yahoo, Intel, Nokia, Atomic, Saturn, Audi, MTV, IBM, Polar Electro, Avaya, General Motors, Estee Lauder, Nivea, Unilever, Lands End, Nestle, Colgate-Palmolive, Mercedes-Benz, DuPont, FedEx, Cosmopolitan, Dannon, Coke, Starbucks, Harley Davidson, Nike, McDonalds, Marriott International and Virgin Atlantic. Students will apply a structured framework for analysing global branding strategies for a company of their choice. The analyses include cross-cultural comparisons of global branding strategies in two international markets of students' choice.

MANAGEMT 7052

International Financial Management

- Prerequisite: Managing for Value Creation or Managerial Finance

The course is designed to provide students with the strategic skills necessary for a CFO or Bank Business Unit Head to operate an international finance function. It covers the key financial instruments and financial engineering techniques; Global financial market operations; International financial diagnostics; global

banking operations– structures, profit drivers and operations and International corporate financial risk management.

This knowledge is reinforced with a series of actual case studies and strategic issues. The course will only use actual case studies.

MANAGEMT 7059

Advanced Managerial Finance

- 3 units
- Prerequisite: Managing for Value Creation or Managerial Finance
- Assessment: to be advised

This course extends the range of topics, complexity of analysis, of the material covered Managerial Finance. Topics to be covered include financial analysis, financial planning, current asset management, leasing, futures markets, long term financing, mergers and acquisitions, international finance and risk management.

MANAGEMT 7064

Advanced Marketing (GSM)

- 3 units
- Prerequisite: Marketing Management
- Assessment: assignments, case study analyses, group or individual projects, class participation

This course builds on the knowledge of marketing theory and practice gained in Marketing Management. It embraces up-to-the-minute thinking and practice in mainstream marketing and is relevant across consumer, business, service, commodity, and information sectors. The course requires participants to prepare a complete marketing plan with budget and other supporting documents.

MANAGEMT 7072

Management Project

- 3 units - trimester 1, 2 or 3
- Prerequisite: Strategic Management
- Assessment: case or project report

This course draws on the work undertaken in the required core courses and builds on the analytical skills developed in the integrative courses. It provides an opportunity for students to complete an applied project based on a management problem or issue. Each student will undertake an individual program of activities leading to a case or project report. Common classes will be conducted on issues such as data collection methodologies and the use of evidence to support project recommendations.

Students may choose either a case study project which analyses a real-world management problem or a project which undertakes the investigation of a particular problem or issue and makes relevant recommendations. The written report will contain findings, analysis and recommendations on the problem under investigation. Where a student chooses to write a management case study for assessment, the final report will consist of a written case together with separate analysis.

MANAGEMT 7075

Advanced People Management Skills

- 3 units
- Assumed Knowledge: Managing Contemporary Organisations
- Assessment: assignments, case study analyses, group or individual projects, class participation.

This course will provide a 'hands on' opportunity for students to learn the skills of management. Note that this course will focus on job application, not theory. Upon completion of the course students will demonstrate their ability to name the correct intervention strategy required for employee situations and conduct the following meetings with employees: coaching, counselling, change management, career counselling, delegation, interviewing and selection, problem solving, decision-making, one-on-one training and performance management.

MANAGEMT 7079

E-Business: New Dimensions

- 3 units - trimester 1, 2 or 3
- Prerequisite: Marketing Management
- Assessment: group project, individual project, exam

This course has been re-written and, as such, informs and enlightens business managers on the specifics of electronic innovations and how they can add value to a firm's product and/or service offering. This course essentially explains both current and upcoming technologies and provides the necessary assessment criteria for managers to overlay these innovative technologies into their current strategic plan and determine appropriateness. This course does not seek to provide managers with high level technical skills - nor an intrinsic understanding of electronic specifics such as payment systems, web infrastructure/coding and the like. Participants will instead be introduced to the principles of strategic management as well as reflect on their knowledge in marketing management in order to develop a revised managerial and marketing planning framework which encompasses electronic technologies.

MANAGEMT 7080

Applied Corporate Finance

- Prerequisite: Managing for Value Creation or Managerial Finance

This course in the MBA program focuses on the application of financial theory to real problems. It builds on the theory, concepts and practice of finance covered in foundation finance course. The course covers topics such as financial analysis and planning, managing working capital, capital expenditure analysis, capital structure policies, raising new capital, financial restructuring, and corporate valuation. Throughout the course the integrating factor will be creating value and related managerial incentives.

MANAGEMT 7081

Global Business

- 3 units - trimester 1, 2 or 3
- Prerequisite: Accounting for Managers, Marketing Management, Managerial Economics, Managing Contemporary Organisations, Managerial Finance
- Assessment: exam, written assignments, case study analyses, group or individual projects, class participation

This course builds participants' knowledge and understanding of cross-border business activity in two ways. First, it exposes participants to some of the practical requirements of managing businesses which are global in scope. Second, it organises participants with contemporary thinking about achieving global competitiveness. Among everyday issues included are: the analysis of international trade flows, the drivers of foreign direct investment, the institutions of the global trading system, the different levels of regional economic integration, the character of the international monetary system and global capital market.

The course also helps participants understand the different ways in which companies organise themselves to achieve global competitiveness in diverse business environments. Global competitiveness is examined from three perspectives: public policy, senior managers responsible for results, and the CEO concerned with the internal structure of a global business.

MANAGEMT 7086

Fundamentals of Leadership

- 3 units - trimester 1, 2 or 3
- Assessment: exam, written assignments, case study analyses, group or individual projects, class participation

To achieve success in today's competitive environment it is essential that managers develop the ability to interact positively with others, whether they be employees, employers, colleagues, customers or suppliers. Strong interpersonal skills are also required if students are to maximise the benefits from their management studies. Positioned at the beginning of the MBA program, this course encourages students to explore issues and develop personal skills implicit in leadership. By exploring their self-perceptions, students will be well placed to broaden their understanding of others.

Upon completion, students will possess an understanding of the development of management thought and practice, providing a background against which new trends in management can be viewed. Students will be able to identify and discuss the major challenges facing management in today's environment, and, with heightened self-awareness, develop the understanding and communication skills required to effectively lead and manage a diverse workforce.

MANAGEMT 7087

Managing Contemporary Organisations

- 3 units - trimester 1, 2 or 3
- Prerequisite: Fundamentals of Leadership
- Assessment: exam, written assignments, case study analyses, group or individual projects, class participation

This course will focus on the macro level of organisational behaviour, emphasising the managerial and leadership roles in managing organisations in a dynamic environment.

The objectives are: Development of a sophisticated understanding of the complexity of organisations, and greater insight into the significant internal and external forces that influence organisational behaviour and how they can be managed; Development and application of conceptual and clinical skills that are useful for the analysis of organisations and the resolution of their problems; Provision of an overview and introduction to the various sub-fields of organisation and management theories, such as competitive strategy, organisational change, conflict management, power and politics, and organisational culture.

MANAGEMT 7088

Strategic Performance Drivers

- 3 units - trimester 1, 2 or 3
- Prerequisite: Managing Contemporary Organisations, Accounting for Managers, Marketing Management

At this stage in your MBA you will have harnessed information about learning and growth within the organisation and have an intrinsic understanding about 'the customer', as well as possess financial knowledge - but how does this all fit together? How can you set targeted goals and objectives and subsequently monitor their effectiveness and realisation?

That is precisely what Strategic Performance Drivers will offer you: the ability to bring together internal systems, employees, the customer and the financials and appropriately manage what you measure. This course will introduce you to Kaplan and Norton's balanced scorecard and help you discover how to create and implement a performance measurement system that goes beyond number crunching and provides you with an excellent management tool that works 'on the business' and not 'in the business'.

MANAGEMT 7100

Accounting for Managers (MBA)

- 3 units - trimester 1, 2 or 3
- Assessment: exam, written assignments, case study analyses, group or individual projects, class participation

Participants in this course will develop the essential ability of all top flight managers, to use complex accounting information as a platform for decision-making. As the course unfolds, participants will build an increasingly sophisticated level of understanding and

comfort in dealing with financial reports, organise and interpreting earnings statements, balance sheets, and cash flow reports. This ability to analyse financial statements will enable participants to deal more effectively with strategic options for their businesses or business units.

Strong foundations in financial analysis, and development of crucial basic accounting skills will also enable participants to develop a management accounting focus. From this second phase of the course students will take away highly relevant and finely tuned skills in financial decision making, must be able to assess issues of business productivity and growth and to quantify complex business decisions. Such skills, ability and knowledge will enable participants to more effectively identify profitable opportunities and to contribute significantly to better management within their own organisations.

MANAGEMT 7101

Managerial Finance

- 3 units - trimester 1, 2 or 3
- Prerequisite: Accounting for Managers

This course initially will cover the concepts of valuation in finance, and show how they can be applied to valuing corporate securities. Adopting a value creation perspective, the course will then consider capital expenditure decision approaches and their application to a range of situations, as well as evaluation of the results. Then, risk is considered, with a risk-return model developed that can be applied in managing for value creation. The course examines the concept of the weighted average cost of capital, before turning to consider corporate financing and capital structure decisions.

MANAGEMT 7102

Managing Technology Innovation

- 3 units - trimester 1, 2 or 3
- Prerequisite: Strategic Management
- Assessment: exam, written assignments, case study analyses, group or individual projects, class participation

Managing Technology and Innovation (MTI) examines the challenges of managing technology and innovation from the general manager's point of view. MTI will help students understand the root causes of common problems in technology and innovation, showing how these can manifest themselves symptomatically in various stages of the development process, and in different areas of the company.

The purpose of MTI is first to help managers build the tools to understand the real, underlying reasons why efforts to innovate so often fall short of expectations - and then with that understanding as a foundation, to learn how to build action plans that resolve the root problems.

Expected course outcomes are to: Identify that it is often 'good' rather than 'bad' management that leads companies to miss certain strategically critical innovations; Understand the challenges of finding new markets for new technologies, and develop a set of principles by which they can manage searches for innovative product-market ideas; Understand how and why the streams of innovative products and services that firm introduce to the market can easily become disconnected from the strategies that managers intend for their firms to pursue; Identify the very capabilities that enable an organisation to execute certain innovations very effectively whilst constituting rigidities or disabilities in tackling innovations of a different nature; Understand when and why it is important to be a technology leader, and when it is advisable to follow other technology pioneers.

MANAGEMT 7103

Managerial Economics (GSM)

- 3 units - trimester 1, 2 or 3
- Assessment: exam, written assignments, case study analyses, group or individual projects, class participation

This course provides an introduction to economic thinking and its relevance and application to managing organises. The first part of the course deals with the structure of markets, including perfect competition, monopoly and oligopoly, and the competitive regulatory environment. The second part deals with the determinants of the aggregate level of output and employment, and elements in the determination of macroeconomic policy including interest rates, inflation and foreign trade and capital flows. The focus of the course is on current issues and their implications for managers and competitive organisations

MANAGEMT 7104

Marketing Management (MBA)

- 3 units - trimester 1, 2 or 3
- Assessment: exam, written assignments, case study analyses, group or individual projects, class participation

Marketing lies at the core of all business. Whatever the character or size of your entity, its profit can come from only one place; the marketplace. All businesses are dependent on the income they earn from their customers, clients or buyers. In most larger businesses it is marketing managers who are primarily responsible for keeping their company close to its customers. In any case, all those who have a direct responsibility for identifying, reaching and satisfying customers are engaged in marketing and everybody in a business needs to understand its marketplace activities. This course offers a complete introduction to professional marketing thought and action.

The course explains the nature and purpose of marketing, followed by the fundamentals of each of the most important marketing tasks. It analyses the business need for customer orientation, the evaluation of markets and the targeting of market opportunities. There is then assessment of buyer behaviour and the role of market information. In addition, the course explains how to integrate product and service decisions with those on pricing, distribution and promotion - and why this is necessary.

MANAGEMT 7106

Topics in Management: International Human Resource Management

- 3 units
- Prerequisite: Managing Contemporary Organisations

Increasingly, we recognise that sustainable competitive advantage comes largely through intangible assets – people and how they are organised. This course explores how to attract, mobilise and develop people with both operational effectiveness and long-term competitive capability in mind. It steers away from the narrow focus on functional human resource activities, generally reduced to expatriation. The course does not get into technical details of HRM that are best left to specialists – be it the use of selection tests or the specifics of job evaluation. The course adopts the perspective of the general manager who addresses human resource topics from a business point of view.

MANAGEMT 7107

Cross-Cultural Management

- 3 units
- Weeknights or intensive
- Prerequisite: Managing Contemporary Organisations
- Assessment: attendance, participation, group assignment, case study

The increase of interaction between nations and countries due to the unprecedented growth of international trade and investment, economic integration and creation of regional trading blocks as well as tourism and migration of population around the globe have spawned the demand for cross-cultural competence. Cross-cultural skills are fast becoming a necessary attribute for success in most professional fields. The study of Cross-Cultural Management is based upon a multidisciplinary approach to the communicative and managerial problems encountered in interactions between individuals within modern organisations and society/ies. The ability to communicate effectively is at the core of all human interaction including management. Cross-cultural management is a fascinating field that develops awareness and appreciation of cultural differences and similarities in the organisational context.

This course aims to equip graduates with knowledge and skills essential for successful managerial careers in an increasingly globalised world.

MANAGEMT 7222

Business Intelligence

- Prerequisite: Accounting for Managers; Managing Contemporary Organisations, Managerial Finance
- Assessment: class participation, group assignment, final exam

This course will consider both business Intelligence and competitive intelligence and assess their impact on corporate strategy. It will examine how systems designed for business Intelligence transform raw data within an organization into valuable information that is understandable and useful to decision makers. The course will analyse and discuss the essential structures and technologies used to construct business intelligence systems identifying what is to be achieved with business intelligence.

MANAGEMT 7224

Knowledge Management

- Prerequisite: Managing Contemporary Organisations, Accounting for Managers, Marketing Management
- Assessment: case studies, projects and active participation in a market based simulation

The value of most organisations today greatly exceeds their net tangible assets. This course addresses contemporary issues in managing knowledge, intellectual capital and other intangible assets.

Beginning with a view that these intangibles are strategies assets, the course will introduce the fundamentals of managing knowledge and intellectual capital, understanding some of the measurement issues, processes and cycles involved in their management and the specific issues in managing knowledge based workers and the organisations in which they work. The course then turns to the strategic issues of creating value from flows in intangible assets and organisation structures to support knowledge and intellectual capital development leading to an examination of the management of knowledge intensive businesses. The course concludes with a review of specific application issues, global issues, application to the public sector and current developments in the field.

MANAGEMT 7225

Business Project

- 3 units - trimester 1, 2 or 3
- 3 hour initial class, 1 hour final presentation
- Prerequisite: All core MBA courses
- Assessment: 3000 word interim report 25%, 6000 word final report 50%, group presentation 25%

This course provides the opportunity for a group of students to work on a real organisation issue for an organisation, and so apply some of the concepts, frameworks and skills learnt in the MBA core to a project of practical value to that organisation.

Projects may be sourced by individual students, groups of students or the AGSB. The Course Coordinator and the organisation must approve the project before beginning. Each project will be allocated an academic project supervisor. Much of the time for this course will be in practical field work or desk research. The project will conclude with a presentation by the student group, or individual, to members of the organisation and the AGSB at which time a final written report will be given to the organisation.

MANAGEMT 7226

Competitive Business Strategy

- 3 units - trimester 1, 2 or 3
- Prerequisite: Strategic Management
- Assumed Knowledge: all core MBA course work
- Assessment: case analysis 30%, class participation 20%, group research report 50%

This course is designed to provide students with an understanding of the strategic implications of competitive interactions between organisations in a variety of market situations. It builds on the core strategic management course where the focus is on understanding the situation of the organisation itself at a particular point in time. In this course, the focus is on understanding the relationship between that organisation and its competitors, considering actions and reactions over an ongoing time period, primarily using longitudinal case studies as the vehicle for assessment of strategic behaviour.

MANAGEMT 7227

Current Issues in Management

- 3 units - trimester 1, 2 or 3
- Assessment: 4 x 2000 word papers

This course provides students with the opportunity to be briefly exposed to a variety of current areas of management which are of importance, but which cannot be included as whole courses in the core MBA. The aim of the course is to give students the opportunity to choose electives, which deepen their knowledge in particular areas of interest to them in their own careers, and to ensure that they have some exposure to these important areas of management practice.

The issues covered will vary periodically to reflect changes in the issues of current importance. For instance, issues which may be covered could include legal responsibilities in business, business data analysis, managing information technology and operations management.

MANAGEMT 7228

Family Business and SME Management

- 3 units - trimester 1, 2 or 3
- Prerequisite: Fundamentals of Leadership, Accounting, Marketing, Economics, MCO
- Assessment: 3000 word essay/case study 40%, case study open book exam 30%, group assignment 30%

The course aims to develop an understanding of the challenges of managing a family owned enterprise and of those businesses in the small to medium enterprise sector. Using both a systems and life-cycle approach, this course will explore the integration of the subsystems of ownership, management and business with recognition of the additional complexity of the family subsystem. The course will recognise the dynamic environment of all private sector enterprises in professionalising their operations.

Objectives include:To understand the operation of SMEs and family businesses through a systems approach and how a family business learns from and adapts to its particular environment; To identify how the needs and aspirations of the variety of stakeholders and participants in the family and the business systems can be optimised; To examine complexities of planning for both ownership and management succession and the implications for day to day operations; To discuss the acquisition of resources and establishing of appropriate governance structures for the business. To investigate the development of family and SME managerial capabilities and competencies to ensure sustainable competitive advantage, and where applicable, smooth transition to the next generation. To provide an integrated view of family and SME businesses, which can be utilised by advisors other interacting with them.

MANAGEMT 7229

Winning Organisations

- 3 units - trimester 1, 2 or 3
- Prerequisite: Strategic Management
- Assumed Knowledge: all core MBA courses
- Assessment: class participation 20%, class presentation 20%, written organisational analysis 60%

This course considers the research findings in holistic studies of winning organisation practices. In particular the US studies of In Search of Excellence, Built to Last and Good to Great are contrasted with the recent Australian findings of The First XI. Collectively, the elements from these studies provide a framework for defining sustainable organisational excellence, for all types of organisations – listed companies, private companies, government organisations and not-for-profits.

Students will have the opportunity to apply the framework to their own organisation, or another, which they can source to compare their organisation's performance with that of winning organisations.

Marketing

MARKETNG 7005

Marketing Principles (M)

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Assessment: assignments & exam as determined at first class

The course introduces a comprehensive range of professional marketing thought and action, in the framework of the marketing management process. Topics: the nature and purpose of marketing, the need for customer orientation, evaluating markets, targeting market opportunities, assessing buyer behaviour, the role of market information, products and services, pricing, distribution and promotion.

MARKETNG 7023

Consumer Behaviour (M)

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: MARKETNG 7005 Marketing Principles (M)
- Assessment: assignments & exam as determined at first class

The course will explain the theory of consumer behaviour and how it relates to the practice of marketing. Topics: consumer behaviour from perspectives of psychology, anthropology, social and behavioural sciences, consumer behaviour within the consumer decision process and its main influencing factors.

MARKETNG 7024

International Marketing (M)

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: MARKETNG 7005 Marketing Principles (M), MARKETNG 7023 Consumer Behaviour (M)
- Assessment: group work on case studies, major project, final exam as determined at first class

This course is designed to introduce you to modern marketing philosophies and practices associated with international marketing. It spotlights the special marketing problems posed by export markets and examines the special marketing management problems faced by multinational organisations. Principle issues include the importance of culture in international marketing, the economic, political and cultural environments, global marketing strategy and research, and the four 'Ps' of international marketing.

MARKETNG 7025

Marketing Communications (M)

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: MARKETNG 7005 Marketing Principles (M), MARKETNG 7023 Consumer Behaviour (M)
- Assessment: assignments & exam as determined at first class

The objective of the course is to help students understand the principles and practices of marketing communications, involving tools used by marketers to inform consumers and to provide a managerial framework for integrated marketing communications planning. Topics: the role of integrated marketing communications, organising for advertising and promotion, consumer behaviour perspective, the communication process, promotional objectives and budgets, creative strategy, media planning and strategy, broadcast/print & support media, direct marketing, sales promotions, PR and publicity, personal selling, international promotion, business-to-business promotions, and regulations and ethics.

MARKETNG 7026

Market Research & Planning (M)

- 3 units - semester 2
- 2 lectures, 1 tutorial per week
- Assumed Knowledge: MARKETNG 7005 Marketing Principles (M), MARKETNG 7023 Consumer Behaviour (M)
- Assessment: assignments & exam as determined at first class

The course will assist students to understand the process by which market information is collected and analysed and to apply this understanding to the development of a marketing plan in response to a real life client problem. Topics: role of market research, the research process, measurements including univariate data analysis depth interviews and focus groups, bivariate data analysis, multivariate grouping procedures, surveys and questionnaire design, multivariate analysis with dependant variables, sample size, field operation and data processing, experiments, and reporting.

MARKETNG 7027

Brand Management (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at marketing specialisation level
- Assessment: assignments & exam as determined at first class

The course builds on existing communications and consumer behaviour models in order to explore many of the issues facing a modern day brand manager. Topics: evaluation of brands, brands and their relationships with consumers, the brand manager position and the variety of tasks, tools associated with the role of brand manager, and how to effectively manage brands.

MARKETNG 7028

E- Marketing (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at marketing specialisation level
- Assessment: assignments & exam as determined at first class

The course examines the theoretical and practical issues associated with electronic commerce in terms of the internet's use in dealing with stakeholders and developing and marketing new products and services. Topics: introduction to the internet, e-commerce and e-marketing, specific features of internet based marketing, the internet marketing plan, internet marketing mix, internet marketing research, customer relationship management and the internet, electronic business communication, security issues, taxation legal & ethical issues, future development and issues of the internet.

MARKETNG 7029

International Market Entry Strategies (M)

- 3 units - semester 1
- 3 hour seminar per week
- Assumed Knowledge: MARKETNG 7024 International Marketing (M)
- Assessment: assignments & exam as determined at first class

The main objective, as the name suggests, is to show the student how to design and execute international market entry strategies that aim to achieve a sustainable presence in foreign markets. Students will develop an understanding of an effective entry-planning model that identifies key decisions regarding entry to international markets. The principle issues that the course will cover include the importance of global segmentation and positioning, global branding, indirect/direct exporting, licensing, franchising, joint ventures and wholly-owned subsidiaries.

MARKETNG 7030

Marketing Ethics (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at marketing specialisation level
- Assessment: case study, group presentation, participation & exam

The course will assess marketing ethical decision-making processes, issues and organisational control mechanisms. Topics: Defining Marketing ethics, relevant theories to examine ethical questions, code of conducts and ethical guidelines, a stepwise ethical marketing decision process, ethics in relation to marketing decisions: market research, segmentation, product, price, distribution, advertising and marketing communications and international marketing.

MARKETNG 7031

Relationship Marketing (M)

- 3 units - semester 2
- 3 hour seminar per week
- Assumed Knowledge: completion of at least two courses at marketing specialisation level
- Assessment: assignments & exam as determined at first class

The course examines the processes and outcomes of business interaction with consumers and other businesses to achieve long-term relational exchanges. Topics: interactions and relationships in consumer and business markets, the consumer as an active channel member, managing relationships with customers, business marketing and networks, managing business relationships, technology and relationships, building a relationship offering, transferring the offering, valuing relationships by price costs and value, developing a relationship strategy, relationship termination.

MARKETNG 7032

Strategic Marketing (M)

- 3 units - semester 1 & 2
- 3 hour seminar per week
- Assumed Knowledge: at least two courses at marketing specialisation level
- Assessment: assignments & exam as determined at first class

The course examines the development and implementation of marketing strategy by providing a framework from which to identify and evaluate strategic options and programs. Topics: forecasting and contextual possibilities, product-market definition, relationships with channels of distribution, relationships with customers, competitive analysis, financial models for marketing strategists, portfolio models, benchmarking and the PIMS models, timing changes and strategy assessment of marketing channels, strategic assessment of offerings, marketing strategy implementation systems.

Mathematics

APP MTH 7000

Applied Mathematics Topic D

- 3 units - semester 1 or 2

Further advanced work in Applied Mathematics as determined by the Head of Applied Mathematics.

APP MTH 7007

Masters Applied Mathematics Project

- 6 units - semester 1 or 2

Further advanced work in Applied Mathematics as determined by the Head of Applied Mathematics.

APP MTH 7011

Transform Methods and Signal Processing

- 3 units - semester 2
- 24 hours lectures, tutorials, variable practical work
- Assumed Knowledge: Level II Applied Mathematics courses with an aggregate value of 6 units
- Assessment: exam, assignments

Introduces various transform techniques including DFT and FFT as well as wavelet transforms, and introduces the basic principles of signal processing to provide an understanding of the fundamentals, implementation and applications of signal processing. At the end of the course students should have good concepts of various transform techniques used in communication theory and information theory, discrete-time signals in both time and frequency domains use of wavelet transforms for signal analysis.

APP MTH 7018

Aerodynamics

- 3 units - semester 2
- 24 hours lectures & tutorials
- Assumed Knowledge: fluid mechanics such as in APP MTH 3002 Hydrodynamics III or Fluid Mechanics III; vector analysis and complex variables, such as in APP MTH 2002 Vector Analysis and Complex Analysis or APP MTH 2006 Methods in Applied Mathematics II, and a computer programming language (Matlab, Fortran or C)
- Assessment: final exam 80%, written assignments 10%, computing assignment 10%

Humans have been interested in flight for thousands of years, yet it is only within the last 100 years or so that we have been able to accomplish flight with heavier-than-air machines. This course describes classical and modern aspects of aerodynamic theory, focusing on low-speed, incompressible flow. It will present analytical and numerical techniques for solving mathematical problems in aerodynamics, with an emphasis on the concepts of lift and drag.

APP MTH 7026

Communication Network Design (Masters)

- 3 units - semester 1
- 24 hours lectures, tutorials
- Assumed Knowledge: basic concepts of nonlinear and discrete optimisation , such as in APP MTH 2008 Operations Research II, APP MTH 3014 Optimisation III and APP MTH 3005 Mathematical Programming III
- Assessment: exam, assignments

This is a very large field and the course will look at some subtopics in depth, rather than trying to cover the whole area. Nevertheless the range of topics is broad enough to give a flavour of the area. The approach is deterministic; probabilistic effects are hidden in the objective function or constraints. The principal decision to be made in network design is the routing of the offered traffic through the network; once this decision has been made; the design of the network is largely determined.

APP MTH 7044

Applied Mathematics Topic C

- 3 units - semester 1 or 2

Further advanced work in Applied Mathematics as determined by the Head of Applied Mathematics.

APP MTH 7045

Applied Mathematics Topic B

- 3 units - semester 1 or 2

Further advanced work in Applied Mathematics as determined by the Head of Applied Mathematics.

APP MTH 7048

Applied Mathematics Topic A

- 3 units - semester 1 or 2

Further advanced work in Applied Mathematics as determined by the Head of Applied Mathematics.

APP MTH 7049

Applied Mathematics Topic D

- 3 units - semester 1 or 2

Further advanced work in Applied Mathematics as determined by the Head of Applied Mathematics.

APP MTH 7052

Computational Fluid Dynamics (Engineering)

- 3 units - semester 1
- 2 lectures, 1 tutorial per week
- Available for Non Award study
- Prerequisite: Mathematics 1 or equivalent
- Assumed Knowledge: Hydrodynamics or Fluid Dynamics and a computer language (fortran, Pascal, or C)
- Assessment: exam 70%, computer assignments 20%, written assignments 10%

Fundamentals of fluid dynamics, including Navier-Stokes equations, continuity equation, energy equation, and equations of state; finite difference techniques, finite volume method, finite element method; numerical grid generation and turbulence; brief presentations on a selection of commercially available CFD codes.

APP MTH 7054

System Modelling and Simulation

- 3 units - semester 1
- 2 lectures per week, tutorial when required
- Available for Non-Award study
- Assumed Knowledge: basic statistics such as that covered in probability and statistics part of STATS 2004 Laplace Transforms and Probability and Statistical Methods
- Assessment: exam, assignments and project

This course aims to introduce the basic concepts involved in designing a system model and to introduce the use of a simulation package or a simulation program. To improve students' presentation skills, both verbal and written, to improve students'

ability to work as part of a team through an extended project and to give students the opportunity to follow a system modelling and simulation exercise from conception through to completion. At the end of this course, students will be capable of identifying practical situations where simulation modelling can be helpful, reporting to management on how they would undertake such a project, collecting relevant data, building and validating a model, analysing the output and reporting their findings to management.

Students are also expected to complete a project in groups of two or three, to write a concise summary of what they have done and to report their findings to the class.

APP MTH 7056

Telecommunications Systems Modelling III

- 3 units - semester 2
- 3 contact hours per week
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: APP MTH 2008 Operations Research II, familiarity with STATS 2002 Introduction to Mathematical Statistics or STATS 2004 Laplace Transforms and Probability and Statistics is advantageous
- Assessment: examination, assignments and mini-projects

Definition of continuous-time Markov-chains, classical queueing examples, transient behaviour, the stationary distribution, hitting probabilities and expected hitting times. Stochastic Modelling of traffic streams. Effective bandwidth and quality of service. Evaluation of exact and approximate performance measures for both queueing networks and loss networks. TCP/IP protocols and performance measures. Applications of the above concepts to complex models of telecommunication systems.

APP MTH 7057

Special Studies in Engineering Mathematics

- 3 units - semester 1 or 2
- 2 lectures per week, tutorials when required

Further advanced work in Applied Mathematics as determined by the Head of Applied Mathematics.

APP MTH 7060

Differential Equations and Fourier Series

- 2 units - semester 1
- 36 hours lectures, tutorials & practicals
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I) or corequisite MATHS 2004 Mathematics IIM
- Assessment: exam, assignments

Ordinary differential equations: First order, second order, series solutions. Fourier series for functions of arbitrary period, half range expansions, even and odd functions, complex form of Fourier series. Partial differential equations: heat equation, separation of variables, wave equation, Laplace's equation. Applications in boundary value problems.

APP MTH 7061

Vector Analysis and Complex Analysis

- 2 units - semester 1 or 2
- 36 hours lectures, tutorials, practicals
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I) or corequisite MATHS 2004 Mathematics IIM
- Assumed Knowledge: Concurrent (or prior) enrolment in APP MTH 2000 Differential Equations and Fourier Series or APP MTH 2007 Differential Equations II
- Assessment: exam, assignments

Vector calculus: vector fields, gradient, divergence and curl. Line, surface and volume integrals, integral theorems of Green Gauss and Stokes, with applications. Orthogonal curvilinear coordinates. Complex analysis: elementary functions of a complex variable, complex analytic functions, complex integrals, Taylor Series, Laurent Series, Residue Theorem.

APP MTH 7062

Modelling with Differential Equations II

- 2 units - semester 2
- 2 lectures per week; 1 tutorial, 1hour practical per fortnight
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: APP MTH 2000 Differential Equations and Fourier Series or APP MTH 2007 Differential Equations II
- Assessment: exam, assignments

Laplace Transforms: Laplace Transforms applied to the solution of differential and integral equations. Convolution Theorem. Emphasis on handling non continuous inputs. Introduction to nonlinear ordinary differential equations: phase plane, trajectories and fixed points. Applications include competing population models. Numerical solution of ordinary differential equations: initial value problems, Euler's method, Runge-Kutta method. Applications of numerical techniques using computer packages.

Applications of partial differential equations. Classification of PDEs into elliptic, parabolic and hyperbolic, and solutions for specific examples of each type. Introduction to scaling and non-dimensionalisation of PDEs. Numerical solution of partial differential equations: introduction to the method of characteristics and finite

difference methods. Examples of the three classes of partial differential equations taken from Level III courses.

APP MTH 7063

Operations Research II

- 2 units - semester 2
- 2 lectures per week; tutorial, 1 hour practical per fortnight
- Available for Non-Award study
- Prerequisite:MATHS 1012 Mathematics IB (Pass Div I); or MATHS 2004 Mathematics IIM (Pass Div I)
- Assessment: exam, assignments

Linear Programming: Simplex Algorithm Phase I and Phase II, duality theory and complementary slackness, interpretation of dual variables. Probability and applications: formulation and solution of probability problems in applications. Includes topics from: gambler's ruin, dimensioning teletraffic networks, epidemic modelling, economic applications.

APP MTH 7064

Computational Mathematics III

- 3 units - semester 1
- 5 lectures, 1 tutorial every 2 weeks
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: APP MTH 2007 Differential Equations II or APP MTH 2000 Differential Equations and Fourier Series and a computer programming language (Matlab, Fortran or C)
- Assessment: final exam 80%, written assignments 10%, computing assignments 10%

Mathematical models of the real world generally give rise to problems that cannot be solved exactly by hand, and an approximate numerical solution must be found instead. Computers are essential for solving important but otherwise intractable mathematical problems, from weather prediction to the earthquake response of buildings. The ability to solve problems numerically is an important tool in any mathematician's or engineer's toolkit. It is also important to be able to assess the likely accuracy (or otherwise) of the numerical solutions that you compute: computers readily generate garbage, yet humans have a tendency to believe computer-generated results, regardless. This course develops students; knowledge of appropriate numerical techniques for tackling mathematical problems and assessing the accuracy of the numerical results that are obtained. It provides methods appropriate to common mathematical models: algebraic equations, ordinary and partial differential equations and integrals. It discusses causes of numerical errors and ways to estimate the effects of those errors on the computed solution to a problem. It also gives practice in writing computer codes to implement effective numerical algorithms.

APP MTH 7065

Applied Probability III

- 3 units - semester 1
- 5 lectures, 1 tutorial every 2 weeks
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: Markov Chains as in second half of APP MTH 2008 Operations Research II - contact lecturer if you do not have this background
- Assessment: exam, assignments

The course aims to provide a basic toolkit for modelling and analysing real-world problems in which there is a significant probabilistic component. A methodology is developed and illustrated using a variety of problems from such areas as population modelling, genetics, simple games, diffusion of gases, reservoir operation, warehouse inventories and optimal decision-making in various commercial contexts.

APP MTH 7066

Life Contingencies III

- 3 units - not offered in 2005
- Available for Non Award study
- 5 lectures, 1 tutorial every 2 weeks
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 1000A/B Mathematics IM (Pass Div I); at least one of: STATS 1000 Statistical Practice I (Pass Div I), ECON 1008 Business Data Analysis I (Pass Div I), 9134 Mathematical Applications I (Pass Div I), MATHS 1008 Mathematics for Information Technology I (Pass Div I), STATS 2004 Laplace Transforms and Probability and Statistical Methods, APP MTH 2009 Numerical Analysis and Probability and Statistics, STATS 2001 Statistical Methods (Civil), APP MTH 2010 Differential Equations and Statistical Methods (Civil)
- Assumed Knowledge: MATHS 3014 Mathematics of Finance III or CORPFIN 2006 Business Finance II or ECON 2008 Economics of Finance II
- Assessment: exam, assignments

Life tables and force of mortality; select, aggregate and ultimate mortality tables; annuities immediate and due, assurances and premiums. Relations between mortality functions; policy values, reserves and mortality profit. Multi-decrement tables and associated single-decrement, combined tables and monetary functions. Both practical and theoretical aspects of the above will be discussed.

APP MTH 7067

Mathematical Programming III

- 3 units - semester 2
- 5 lectures, 1 tutorial every 2 weeks
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: some knowledge of duality theory as in first half of APP MTH 2008 Operations Research II - contact lecturer if you do not have this background
- Assessment: exam, assignments, project work may be included

Many interesting optimisation problems can be expressed as linear programs, in particular, problems related to network flows, scheduling, etc. The focus in this course will be in formulating models and developing solution methods for such optimisation problems. Topics will be chosen from:, network theory, advanced linear programming, integer programming, dynamic programming and applications.

APP MTH 7068

Industrial Mathematics III

- 3 units - semester 2
- 5 lectures, 1 tutorial every 2 weeks
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: differential equations, such as, APP MTH 2007 Differential Equations II, APP MTH 2000 Differential Equations and Fourier Series or APP MTH 2010 Differential Equations and Stat Methods (Civil)
- Assessment: exam, assignments, project work may be included

Mathematical modelling is the art of representing a real-world process by mathematical equations, and investigating this 'mathematical model' to obtain better understanding of the process. Differential-equation models have been recognised for some decades as a valuable tool in the development of modern industrial technologies and processes. In recent times they have been successfully used for problems arising in medicine and the biological sciences, an exciting and growing area of mathematical application. Industrial problems which might be modelled with differential equations include spontaneous ignition, contaminant dispersion, desalination, casting of sheet steel, and solar heating; medical/biological problems include drug delivery, blood oxygenation, dialysis, and growth of tumours.

This course will give students an understanding of general modelling methodology. In addition to model development, a variety of mathematical methods for solving these models will be considered. The emphasis throughout is on using mathematics to obtain practical answers to realistic problems. Case studies from the above, or similar, examples will be used to demonstrate how to develop and use models. Students will also develop their own modelling skills through a project investigation of a real-world problem. The skills acquired will be applicable across a wide range of disciplines.

APP MTH 7069

Variational Methods and Optimal Control III

- 3 units - not offered in 2005
- 5 lectures, 1 tutorial every 2 weeks
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: APP MTH 2007 Differential Equations II or APP MTH 2000 Differential Equations and Fourier Series
- Assessment: exam, assignments

Many problems of optimisation and control in the sciences and engineering seek to find the shape of a curve or surface satisfying certain conditions so as to maximise or minimise some quantity. For example, shape a yacht hull so as to minimise fluid drag. Variational methods involve an extension of calculus techniques to handle such problems. This course develops an appropriate methodology, illustrated by a variety of physical and engineering problems.

APP MTH 7070

Financial Modelling III

- 3 units - semester 2
- 5 lectures, 1 tutorial every 2 weeks
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: Excel spreadsheets
- Assessment: exam, assignments

Discrete time financial modelling of various financial assets, interest rates and exchange rates. Valuation of financial products (derivative products) using binomial lattice models with implementation on spreadsheets. Hedging and Interest Rate Management, including the Ho and Lee Term Structure Model for interest rates and related models, together with their application to interest rate risk management with implementation on spreadsheets.

APP MTH 7071

Differential Equations III

- 3 units - semester 1
- 5 lectures, 1 tutorial every 2 weeks
- Available for Non-Award study

- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: APP MTH 2007 Differential Equations II or APP MTH 2000 Differential Equations and Fourier Series or APP MTH 2010 Differential Equations and Statistical Methods (Civil)
- Assessment: exam, assignments

Differential equations describe a wide range of practical problems in such areas as biology, physics, engineering, economics and finance. This course will provide students with the techniques required to solve the classes of ordinary and partial differential equations which commonly occur in applications.

The course will include discussion of (i) methods for the solution of initial value problems for systems of first order linear and non-linear ordinary differential equations; (ii) techniques for the solution of two point boundary value problems for second order linear ordinary differential equations with variable coefficients; (iii) classification of partial differential equations and the solution of boundary value problems for these equations using the methods of (a) reduction to ordinary differential equations by use of separation of variables, (b) integral transforms, (c) characteristics.

APP MTH 7072
Optimisation III

- 3 units - semester 1
- 5 lectures, 1 tutorial every 2 weeks; 1 hour practical per week
- Available for Non-Award study
- Assessment: exam, assignments, project work may be included

Modern optimisation methods in areas such as Communication Network Design, Finance, etc, rely on the classical underpinnings covered in this course. One-dimensional (line) searches; multivariable unconstrained optimisation, in particular, for convex functions; a random search technique, such as Simulated Annealling or Genetic algorithms; constrained optimisation, including Kuhn-Tucker conditions and the Gradient Projection Method. Other topics such as penalty methods, quasi-convexity, etc, will be covered as time permits.

APP MTH 7074
Modelling Telecommunication Traffic

- 3 units - semester 2
- 24 hours lectures
- Assessment: assignments, exam

Traffic streams. Loss and delay systems. Communications networks. Loss networks. Modelling internet traffic. Aim: to introduce students to fundamental methods of the modelling of telecommunication systems. Objectives: on completion of this course, students should be able to understand how to model traffic streams using stochastic models: and be familiar with basic methods used to analyse traffic congestion and loss in telecommunication networks.

APP MTH 7075
Fluid Mechanics III

- 3 units - semester 2
- 5 lectures, 1 tutorial every 2 weeks
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: APP MTH 2007 Differential Equations II or APP MTH 2000 Differential Equations and Fourier Series and APP MTH 2002 Vector Analysis and Complex Analysis or APP MTH 2006 Methods of Applied Mathematics II
- Assessment: exam, assignments

Fluid Mechanics is the study of fluids, whether they are gases (the air we breathe), water (as in the oceans) or more complex fluids (like the oil in our car engines). Fluid flows govern the way in which we interact with our environment. The energy we require for our survival is dependent upon the motion of fluids in the Sun. Technological society is founded upon the motion of fluids. Our entire physiology is based around the flow of fluids, from the air in our lungs through to blood flow in our arteries and veins. The weather we experience is a result of the complex motion of the oceans and the atmosphere. From the smallest scale of nanotechnology to the largest scale of astrophysical flow in stars, the motion of fluids is important.

This course will introduce students to the fascinating subject of modelling fluid flows. We derive the basic equations governing the motion of fluids and use these equations to explore a variety of practical fluid flows. The techniques that will be used in this course come from the study of differential equations (both ordinary and partial). It will provide students with an understanding of how, and why, fluids flow and how they impact upon our world.

APP MTH 7076
Mathematical Biology III

- 3 units - not offered in 2005
- 5 lectures, 1 tutorial every 2 weeks
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assessment: final exam, assignments, project work may be included

APP MTH 7077
Game Theory

- 3 units - semester 1
- 24 hours of lectures
- Available for Non Award study
- Assessment: exam 80%, written assignments 20%

Games in extensive and normal forms. Zero-sum games. Finite games; minimax strategies, saddle points, mixed strategies and the minimax theorem. Dominance, simple solutions, complete solution of the finite game, linear programming formulation. Infinite games, extended mixed strategies, epsilon-good strategies, games of timing. Many person games. Negotiation problems. Non zero-sum games in cooperative and non-cooperative version, solution concepts.

MATHS 7008A/B

Mathematical Signal and Information Processing Project

- 6 units

Those students undertaking the full Masters award may wish to complete a project on a specialised topic of their choice. A project supervisor will be appointed to each student.

PURE MTH 7002

Pure Mathematics Honours Topic B

- 3 units - semester 1 or 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7003

Geometry I

- 3 units - semester 1

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7010

Algebra III

- 3 units - semester 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7019

Algebra II

- 3 units - semester 1

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7021

Algebra I

- 3 units - semester 1

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7023

Pure Mathematics Honours Topic D

- 3 units - semester 1 or 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7024

Geometry II

- 3 units - semester 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7028

Topology

- 3 units - semester 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7030

Analysis III

- 3 units - semester 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7032

Analysis II

- 3 units - semester 1

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7038

Pure Mathematics Honours Topic A

- 3 units - semester 1 or 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7041

Mathematical Coding and Cryptology

- 3 units - semester 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7047

Pure Mathematics Honours Topic C

- 3 units - semester 1 or 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7049

Real Analysis III

- 3 units - semester 1
- 5 lectures, 1 tutorial per fortnight
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Restriction: 7389 Real Analysis II (before 2002)
- Assessment: 3 hour exam, small percentages may be allocated to class exercises and/or tutorials

The real numbers, infimum and supremum. Real sequences: limit properties, subsequences, conditions for convergence, applications. Real series: tests for convergence and power series. Functions: limits, continuity, uniform continuity. Existence of the Riemann integral. Approximation theory.

PURE MTH 7050

Fields and Geometry III

- 3 units - semester 2
- 5 lectures, 1 tutorial per fortnight
- Available for Non-Award study
- Prerequisite: MATHS 1012Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: PURE MTH 2002 Algebra II
- Restriction: cannot be counted with 3786 Projective Geometry III
- Assessment: 3 hour exam, small percentages may be allocated to class exercises and/or tutorials

Fields and extensions, algebraic and simple extensions. Finite fields. Affine and projective geometries. Desargues (2 and 3-d) and Pappus theorems. Duality. Coordinatising a plane. The Little Desargues Axiom. Translation planes. Homogeneous coordinates. Field planes. Automorphism group and the Fundamental Theorem. Conics, arcs, ovals and hyperovals. Quadrics.

PURE MTH 7051

Fractal Geometry III

- 2 units - semester 2
- 2 lectures per week, tutorial every 3 weeks - some may be computing tutorials using packages
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assessment: 2 hour exam, with a small percentage for class exercises

A survey of fractal geometry including classical fractals, fractal dimension, encoding imagery modelling nature, chaos. Feigenbaum diagram, Mandelbrot and Julia sets. Students have opportunity to construct their own fractals.

PURE MTH 7052

Logic III

- 2 units - not offered in 2005
- 2 lectures a week; tutorial every 3 weeks
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assessment: 2 hour exam, small percentage may be allocated for class exercises and/or tutorials

Propositional calculus, first order theories, interpretations and models. Godel's completeness theorem for predicate calculus. Computability: Turing machines, recursive functions and the halting problem. Undecidability of predicate calculus. Godel's theorem for elementary number theory.

PURE MTH 7053

Number Theory III

- 2 units -semester 1
- Available for Non-Award study
- 2 lectures a week; tutorial every 3 weeks
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assessment: 2 hour exam, small percentage may be allocated for class exercises and/or tutorials

An introduction to classical elementary number theory, with modern applications to computer science, cryptography etc. Divisibility and primes, congruences, arithmetic functions. Primitive roots, quadratic residues. Continued fractions and rational approximation.

PURE MTH 7054

Complex Analysis II

- 2 units - semester 2
- 2 lectures per week, 1 tutorial per fortnight
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Restriction: 2959 Complex Analysis II, PURE MTH 2006 Real and Complex Analysis II
- Assessment: final exam, small percentage for class assignments

Basic concepts, holomorphic functions, Cauchy-Riemann equations. Complex power series. Standard elementary functions. Conformal mapping including bilinear transformations and applications. Cauchy's integral theorem and consequences, including integral formula and power series representations. Residue theorem and applications. Further results on holomorphic functions.

PURE MTH 7055

Topology and Analysis III

- 3 units - semester 2
- 5 lectures, 1 tutorial per fortnight
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Restriction: cannot be counted with 6848 Analysis and Topology III
- Assessment: 3 hour exam, small percentages may be allocated to class exercises and/or tutorials

Sets, functions, metric spaces, compactness and completeness. Banach fixed point theorem and applications, uniform continuity. General topological spaces. Introductory functional analysis: normed linear spaces, topological duals. Convexity and Hahn-Banach theorems. Hilbert spaces, operators on Hilbert spaces, the Spectral theorem.

PURE MTH 7056

Discrete Mathematics II

- 2 units - semester 1
- 2 lectures per week; 1 tutorial a fortnight
- Available for Non-Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 1014 Mathematics IMB (Pass Div I) or MATHS 1008 Mathematics for Information Technology I (Pass div I) or corequisite MATHS 2004 Maths IIM
- Assessment: final exam, small percentage for class assignments

Permutations and combinations, recurrence relations, generating functions and the inclusion-exclusion principle. Additional topics of special relevance to Computer Science and other mathematical sciences courses, including geometry for Computer Graphics and Computer Vision.

PURE MTH 7057

Pure Mathematics Diploma

- 4 units - semester 1

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7058

Pure Mathematics Diploma

- 2 units - semester 2

Further advanced work in Pure Mathematics as determined by the Head of Pure Mathematics.

PURE MTH 7059

Groups and Rings III

- 3 units - semester 1
- Available for Non Award study
- 5 lecture, 1 tutorial per fortnight
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I)
- Assumed Knowledge: PURE MTH 2002 Algebra II
- Restriction: cannot be counted with either 1273 Groups III or 6508 Rings, Fields and Matrices III
- Assessment: 3 hour exam, small percentages may be allocated to class exercises and/or tutorials

Groups, subgroups, factor groups, homomorphism and isomorphism theorems. Finitely generated abelian groups. Conjugacy. Cayley's and Sylow's theorems. Rings, ideals, factor rings and homomorphisms. Polynomials. Unique factorisation. Euclidean domains, Gaussian integers.

PURE MTH 7060

Multivariable Calculus II

- 2 units - semester 1
- 2 lectures per week; 1 tutorial per fortnight
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I) or corequisite MATHS 2004 Mathematics IIM
- Restriction: cannot be counted with 2959 Real and Complex Analysis passed before 1993, except under special arrangement with the Head of School. Cannot be counted with 7389 Real Analysis II
- Assessment: final exam, small percentage for class assignments

Functions of several variables; limits, continuity and extrema; gradient, differentiability, Chain Rule; Taylor expansions, classification of critical points; implicit function theorem, Lagrange multipliers; differentiation of vector-valued functions, Jacobian matrices, inverse function theorem, curves and surfaces in space. Line integrals, differential 1-forms; double integrals, triple integrals; surface integrals; Green's theorem; the Divergence theorem; differential 2- forms and Stokes Theorem.

Music

ETHNO 7000
Ethnomusicology Seminar V (C)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral, written presentation of 5000 word paper

This course examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

ETHNO 7004
Ethnomusicology Seminar V (A)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral, written presentation of 5000 word paper

This course examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

ETHNO 7017
Ethnomusicology Seminar V (B)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral, written presentation of 5000 word paper

This course examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

MUSICED 7077
Music Education Seminar V (B)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral presentation of 5000 word paper

The course examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

MUSICED 7081
Music Education Seminar V (A)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral presentation of 5000 word paper

The course examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

MUSICED 7089
Music Education Seminar V (C)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral presentation of 5000 word paper

The course examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

MUSICOL 7070
Musicology Seminar V (B)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral and written presentation of 5000 word paper

The course examines theoretical issues, the literature of music and repertoire studies in Musicology. Aspects of music history and systematic contexts will be explored as required.

MUSICOL 7074
Musicology Seminar V(C)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral and written presentation of 5000 word paper

The course examines theoretical issues, the literature of music and repertoire studies in Musicology. Aspects of music history and systematic contexts will be explored as required.

MUSICOL 7086
Musicology Seminar V(A)

- 4 units - semester 1 or 2
- Contact as required by seminar series
- Assessment: oral & written presentation of 5000 word paper

The course examines theoretical issues, the literature of music and repertoire studies in Musicology. Aspects of music history and systematic contexts will be explored as required.

PERF 6008A/B
Major Recital IV

- 12 units - full year
- All recital projects supported by 1 hour 1:1 tuition per week for 15 weeks, workshop 1.5 hours per week for 5 weeks
- Prerequisite: credit or above in the appropriate Level III performance course or audition or both
- Assessment: 65-minute public recital

A program of works in the repertoire of the instrument studied. Repertoire may include solo works, chamber music, orchestral

material, concerti, accompaniment etc. Recital programs are subject to approval and details must be submitted within the first 6 weeks of the program. Students of brass instruments may present two 30-minute recitals in lieu of the 65-minute format.

PERF 6015A/B
Minor Recital IV

- 6 units - full year
- All recital projects supported by 1 hour 1:1 tuition per week for 15 weeks, workshop 1.5 hours per week for 5 weeks
- Assessment: 35-minute public recital

A program of works in the repertoire of the instrument studied. Repertoire may include solo works, chamber music, orchestral material, concerti, accompaniment etc. Recital programs are subject to approval and details must be submitted within the first 6 weeks of the program.

PERF 6016A
Negotiated Project IV part 1

- 6 units - full year
- Supervision as required
- Assessment: by negotiation - proposals to be discussed with teacher, then submitted in writing to the Honours Course Coordinator for approval through relevant Head of Studies

A course intended to allow candidates to select an activity that complements their major study. It may be taken as a 6 unit course or as two 3 unit courses. Activities may include solo performance, ensemble work (small or large), concerti, professional activity (such as Adelaide Symphony Orchestra), research project, recording project or involvement in a stage production. Those intending to apply for further performance postgraduate study such as the M. Mus. (by Research) are strongly encouraged to complete a research project relevant to their performance interests.

PERF 7003
Recital Studies II

- 8 units - semester 1 or 2
- 1 hour a week individual tuition
- Prerequisite: 3509 Recital Studies I
- Restriction: 7222 Recital Studies IIA
- Assessment: teacher's report based on standard & achievement, progress & technical development, attitude, punctuality & attendance

Candidates are required to prepare advanced performance repertoire in preparation for the recitals presented at the end of the program.

PERF 7005
Recital Studies I

- 8 units - semester 1 or 2
- 1 hour a week individual tuition
- Restriction: 8857 Recital Studies IA
- Assessment: teacher's report based on standard & achievement, progress & technical development, attitude, punctuality & attendance

Candidates are required to prepare advanced performance repertoire in preparation for the recitals presented at the end of the program.

PERF 7015
Masters Recital A

- 4 units - semester 1 or 2
- 1 hour a week individual tuition concurrent with PERF 7016 Master Recital B
- Restriction: 4623 Masters Recital VA
- Assessment: public recital to be given not more than 3 months from Masters Recital B recital, duration approx. 75 min, except for Bassoon, Brass, Oboe and Voice recitals - approx. 65 min; panel of 4 examiners (at least one external examiner) appointed by School - candidate's supervisor shall not be an examiner

A selection of works from those prepared in 3509 Recital Studies I are chosen for presentation at a public recital. Details of the recital program must be submitted to the School Registrar for approval not less than six months before the first recital.

Program notes are to be submitted for each work performed and should demonstrate careful research and independent thought. Students must avoid plagiarism. Program notes are required to be submitted not less than one week before the recital. They should be presented in camera ready form. They will be assessed as very good, average, or inadequate and may influence the result.

PERF 7016
Masters Recital B

- 4 units - semester 1 or 2
- 1 hour a week individual tuition concurrent with PERF 7015 Master Recital A
- Restriction: 9540 Masters Recital VB
- Assessment: public recital to be given not more than 3 months from Masters Recital A recital, duration approx. 75 min, except for Bassoon, Brass, Oboe and Voice recitals - 65 min; panel of 4 examiners (at least one external examiner) appointed by School - candidate's supervisor shall not be an examiner

A selection of works from those prepared in Recital Studies II are chosen for presentation at a public recital. Details of the recital performance must be submitted to the School Registrar for approval not less than 6 months before the first recital.

Program notes are to be submitted for each work performed and should demonstrate careful research and independent thought. Students must avoid plagiarism. Program notes are required to be submitted not less than one week before the recital. They should be presented in camera ready form. They will be assessed as very good, average, or inadequate and may influence the result.

PERF 7068A/B
Recital Studies IIA (Part-Time)

- 8 units - full year
- 30 minutes individual tuition a week
- Prerequisite: audition
- Restriction: 2852 Recital Studies I (Part Time), 3509 Recital Studies I
- Assessment: teacher's report based on standard & achievement, progress & technical development, attitude, punctuality & attendance

Candidates are required to prepare advanced performance repertoire in preparation for the recitals presented at the end of the program.

Program notes are to be submitted for each work performed and should demonstrate careful research and independent thought. Students must avoid plagiarism. Program notes are required to be submitted not less than one week before the recital. They should be presented in camera ready form. They will be assessed as very good, average, or inadequate and may influence the result.

PERF 7076A/B
Recital Studies IA (Part-Time)

- 8 units - full year
- 30 minutes individual tuition a week
- Prerequisite: audition
- Restriction: 2852 Recital Studies I (Part Time), 3509 Recital Studies I
- Assessment: teacher's report based on standard & achievement, progress & technical development, attitude, punctuality & attendance

Candidates are required to prepare advanced performance repertoire in preparation for recitals presented at the end of the program.

Nursing

CLIN NUR 5101HO
Apheresis Nursing I

- 6 units -semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Cert.Nursing Science students only
- Assessment: 2000 word mid term assignment 35%, tutorial presentation/synopsis(equiv. to 1500 words) 20%, 3500 word case study 45% - students must pass each component of course

This course will examine nursing and medical science underpinning therapeutic and donor apheresis. Topics will include principles of basic haematology, coagulation, the ABO/Rh system and immunology. Basic pathophysiology of diseases treated by therapeutic apheresis will be covered. Students will also examine the principles of therapeutic apheresis including plasma exchange, red-cell exchange and cyto-reduction. This course will be studied by the flexible learning mode.

CLIN NUR 5102HO
Apheresis Nursing II

- 6 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Cert. Nursing Science students only
- Assessment: 2000 word mid term assignment 35%, tutorial presentation/synopsis (equiv. to 1500 words) 20%, 3500 word case study 45% - students must pass each course component

This course will examine apheresis procedures with a focus on patient/donor centred issues. Topics will include types of machines and technical procedures; donor selection and management, patient care including care of paediatric patients, common complications, validation of procedures and processes, legal and professional issues.

CLIN NUR 5103HO
Hyperbaric Nursing II

- 6 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Cert. Nursing Science students only
- Assessment: 2000 word mid term assignment 25%, tutorial presentation with full text narrative (equiv. to 2000 words) 25%, 3500 word essay 50%

This course will build on the topics considered in hyperbaric Nursing I and will be studied by the flexible learning mode. Topics will include safety issues relating to hyperbaric nursing and advanced clinical issues such as unit management.

CLIN NUR 5104HO
Microbiology and Epidemiology

- 6 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Cert. Nursing Science students only
- Assessment: 3000 word study portfolio 50%, 1500 word essay 30%, course workbook 20%. Students must pass each course component

This course will build on the student's knowledge of basic microbiology and will consider the epidemiology of common infectious diseases seen in the Australian population. The role of the infection control nurse will be considered in relation to the epidemiological research, education and disease surveillance.

CLIN NUR 5105HO

Principles and Practices of Retrieval Nursing

- 6 units - semester 1
- 13 x 3 hour lectures
- Eligibility: Grad.Cert. Nursing Science students only
- Assessment: 3000 word essay 40%, 30 min. viva voce/practical 35%, case presentation and briefing paper (equiv. to 2000 words) 25%, clinical skills Pass/fail - students must pass each component

This course will present the principles of retrieval and the physical and psychosocial needs of patients. Topics will include anatomy, physiology, psychosocial care, nursing care of retrieval patients and aeronautical medicine. International repatriation and retrieval of patients requiring hyperbaric treatment will also be considered. Students will be required to participate in supervised field experience in level 3 intensive care unit for 150 hours.

CLIN NUR 5106HO

Trauma Nursing

- 6 units - semester 2
- 13 x 3 hour lectures
- Eligibility: Grad.Cert. Nursing Science students only
- Prerequisite: CLIN NUR 5105HO Principles and Practices of Retrieval Nursing
- Assessment: 3000 word essay 40%, 30 min viva voce/practical 35%, case presentation & briefing paper (equiv. to 2000 words) 25%, clinical skills Pass/fail - students must pass each component

This course will examine nursing and medical science in relation to trauma, the principles of trauma nursing and the physical and psychosocial needs of those who experience trauma. Topics will include anatomy, physiology, psychosocial care, nursing care of trauma patients, principles of early management of severe trauma (EMST) and the teaching/learning process in patient education. Students will be required to participate in supervised field experience in a level 3 ICU for 150 hours and in addition participate as an active team member in a minimum of 5 retrievals.

CLIN NUR 5109HO

An Introduction to Evidence Based Health Care

- 6 units - semester 1 or 2
- Flexible learning mode
- Assessment: 1500 word formulation of clinical question, 2500 word development of a search strategy, 3500 word conduct & description of search

This course will introduce the concept of evidence based practice. Topics will include the history of Evidence Based Health Care and constructing a question (topic identification). Students will develop skills in searching for evidence and determining the quality of evidence using critical appraisal of literature.

CLIN NUR 5110HO

Change Management and Evaluation

- 6 units - semester 1 or 2
- Flexible learning mode
- Assessment: 2500 word development of evidence-based plan, 5000 word case study report

This course will consider the issues and strategies used to implement Evidence Based Practice. Change management theories and their applicability to nursing will be examined. Evaluation of practice change and clinical audit will also be considered.

CLIN NUR 6101HO

Developing Advanced Practice in Health Systems I

- 4 unit - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000 word annotated bibliography 40%, 3000 word essay 60%

This course will consider a number of issues faced by registered nurses in advanced practice settings. Concepts such as accountability, decision-making and politics are considered as this course assists students to explore the supports and constraints within which nurses work. Some specific issues such as ethical matters, skill-mix, specialisation, multi-skilling, transcultural nursing and being part of a multi-disciplinary team are addressed with regard to the present and future role of the registered nurse.

CLIN NUR 6102HO

Developing Advanced Practice in Health Systems II

- 4 units - semester 1 or 2
- 2 hours per week/flexible learning mode
- Eligibility: Grad. Dip. Nursing Science students only
- Assessment: 1250 word clinical audit proposal 25%, 3750 word clinical audit report 75%

Drawing on your knowledge from your previous and current studies as well as your experience as a nurse this course assists you to systematically evaluate an area of nursing practice by engaging in the process of a clinical audit.

CLIN NUR 6103HO

Focused Reading in Clinical Nursing

- 4 units - semester 1 or 2
- 2 hour lecture/flexible learning mode -individual supervision by appointed supervisor
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000-3000 word literature review 50%, presentation and justification of a revised practice standard 50%

This course will examine contemporary clinical nursing practice through a systematic review of the literature. Students will be required to follow a protocol to ensure scientific rigour and minimise potential bias.

CLIN NUR 6104HO

Nursing & Medical Science in Anaesth & Recovery I

- 4 units - semester 1
- 3 hours per week for 13 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word evidence based practice essay or equiv. 50%, 2 hour exam 50% - students must pass each component

This course will build on the clinical and core courses in the specialty of Anaesthetic and Recovery Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6105HO

Nursing & Medical Science in Anaesthetic & Recovery II

- 4 units - semester 2
- 3 hours per week for 13 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word equiv. class presentation & briefing paper 50%, 2 hour exam 50% - students must pass each component

This course will build on Nursing and Medical Science in Anaesthetic Nursing I and the other specialty Anaesthetic and Recovery Nursing courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6108HO

Cardiac Nursing I

- 4 units - semester 1
- 2 hours per week as required for workshops, 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail - students must pass each component

This course will largely consist of field based learning within the area of cardiac nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum that does not include the patient and family in context.

CLIN NUR 6109HO

Cardiac Nursing II

- 4 units - semester 2
- 2 hours per week as required for workshops, 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2 x 1250 word clinical assessment sheets 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail - students must pass each component

This course will build on student's previous learning in Cardiac Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of cardiac nursing.

CLIN NUR 6110HO

Nursing & Medical Science in Cardiac Nursing I

- 4 units - semester 1
- 3 hours per week for 13 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: tutorial presentations, briefing paper equiv. to 2500 words 50%, 2 hour exam 50% - students must pass each component

This course will build on the clinical and core courses in the specialty of cardiac nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6111HO

Nursing & Medical Science in Cardiac Nursing II

- 4 units - semester 2
- 3 hours per week for 13 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word essay 50%, 2 hour exam 50% - students must pass each component

This course will build on Nursing and Medical Science in Cardiac Nursing I and the other specialty cardiac courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6112HO

Advanced Nursing Skills for Activities of Living

- 4 units - semester 1 or 2
- 40 hours delivered as five study days
- Assessment: 2000 word essay 40%, 3000 word essay 60%. Students must pass each component

This course is designed to have students make a serious review of what they have designated as 'basic nursing care'. The course takes a strong consumer focus and uses a variety of specialist health professionals to deepen the student's knowledge of and nursing response to, the activities of daily living which maintain and restore patient health.

CLIN NUR 6113HO

Cardiac Monitoring

- 4 units - semester 1 or 2
- 2 hours per week for 11 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word case study 50%, viva voce (30 min.) 50% - students must pass each component

This course will examine nursing and medical science in relation to cardiac monitoring. Topics will include basic electrocardiography; identification of arrhythmias; nursing management of myocardial ischaemia, injury and infarction; and patient education processes.

CLIN NUR 6114HO

Diabetes Education

- 4 units - semester 1 or 2
- 32 hours
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000 word class paper 40%, 3000 word essay 60%, - students must pass each component

This course will examine nursing and medical science in relation to diabetes. Topics will include the pathophysiology of diabetes, the management of diabetes, pharmacology, human nutrition and the teaching/learning process in patient education.

CLIN NUR 6115HO

Working with Loss and Grief

- 4 units - semester 1 or 2
- 40 hours delivered as five study days
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000 word essay 40%, 3000 word essay 60% - students must pass each component

This course will examine the experience of loss and grief. Topics will include the psychology of loss and grief; coping with death; and the role of the nurse in caring for the dying and their significant others. Small group tutorials and experiential learning will be utilised to assist students to develop individual strategies to effectively help those who are grieving.

CLIN NUR 6116HO

Hyperbaric Nursing I

- 6 units - semester 1 or 2
- Eligibility: Grad.Cert./Grad.Dip. Nursing Science students only
- Assessment: skills check list pass/fail workbook 35% viva voce 35% 1 hour exam 35% - students must pass each component

This course will examine nursing and medical science in relation to the indications for hyperbaric treatment, the principles of hyperbaric nursing and the physical and psycho-social needs of those undergoing hyperbaric treatment. Topics will include anatomy, physiology, psychosocial care, hyperbaric management and the teaching/learning process in patient education. Students will be required to participate in field experience.

CLIN NUR 6117HO

Infection Control Nursing

- 6 units - semester 1 or 2
- 2 hours per week, field visits
- Eligibility: Grad. Cert. Nursing Science students only
- Assessment: 1500 word mid term essay 20%, 2000 word clinical scenario 30%, 3250 word infection control project 50% - students must pass each component.

This course will examine nursing and medical science in relation to the control of infection. Topics will include microbiology, the management of infection, the teaching/learning process in staff education and contemporary issues in infection control.

CLIN NUR 6118HO

Management of Incontinence

- 6 units - semester 1 or 2
- 40 hours delivered as five study days
- Assessment: 1500 word mid term assignment 20%, tutorial presentation (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

This course will examine nursing and medical science in relation to continence management. Topics will include anatomy and physiology of the eliminatory system; diagnosis and treatment of incontinence; the management of incontinence; the lived experience of incontinence and the teaching/learning process in patient education.

CLIN NUR 6119HO

Mental Health Care in Acute Settings

- 4 units - semester 1 or 2
- 40 hours delivered as five study days
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000 word essay 40%, 3000 word essay 60% - students must pass each component of course

This course addresses mental health care issues arising in the acute (physical) care setting. Topics include the Mental Health Act and its implications for nurses, characteristics of the most common types of mental illness and consumer expectations. Students will be provided with an experiential introduction to techniques such as counselling, visualisation and conflict minimisation.

CLIN NUR 6120HO

Rehabilitation Nursing

- 6 units - semester 1 or 2
- 48 hours delivered as six study days
- Assessment: 1500 word mid term assignment 20%, tutorial presentation (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

This course will examine nursing and medical science in relation to the process, principles and practice of rehabilitation nursing. Topics will include anatomy and physiology of disability; the development of rehabilitation as a specialist area of practice; the role of the multidisciplinary team; principles of rehabilitation nursing; and the teaching/learning process in patient education.

CLIN NUR 6121HO

Stomal Therapy

- 6 units - semester 1 or 2
- 4 hours per week, plus field placements
- Assessment: 1500 word mid term assignment 20%, tutorial presentation (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20% - students must pass each component.

This course will examine nursing and medical science in relation to the indications for the creation of a stoma, the principles of stomal therapy and the physical and psycho-social needs of those with a stoma. Topics will include anatomy, physiology, psychosocial care, stomal management and the teaching/learning process in patient education. Students will be required to participate in field experience.

CLIN NUR 6122HO

Wound Management

- 6 units semester 1 or 2
- 40 hours delivered as five study days
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 1500 word mid term assignment 20%, tutorial presentation (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20% - students must pass each component

This course will examine nursing and medical science in relation to the management of wounds. Topics will include anatomy and physiology of the integument, wound classification, wound management, microbiology, the management of infection and the teaching/learning process in staff and patient education.

CLIN NUR 6127HO

Emergency Nursing I

- 4 units semester 1
- 2 hours per week as required for workshops, 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000 word case study 50%, viva voce 30 min. exam 50%, competency assessment. pass/fail - students must pass each component

This course will largely consist of field based learning within the area of Emergency Nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care. Skills will predominantly be concerned with assessment of the person presenting to an emergency department.

CLIN NUR 6128HO

Emergency Nursing II

- 4 units - semester 2
- 2 hours per week as required for workshops, 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: poster 500 word equivalent 50%, 30 minute viva voce exam 50%, competency assessment pass/fail - students must pass each component

This course will build on student's previous learning in Emergency Nursing I. It will focus on advanced clinical skill acquisition, through field based learning within the area of Emergency Nursing. In particular skills associated with minor injuries, paediatric and obstetric care, preserving evidence, bereavement, pain and the coroner will be taught in tutorials.

CLIN NUR 6129HO

Nursing & Medical Science in Emergency Nursing I

- 4 units - semester 1
- 3 hours per week
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word essay 50%, 2 hour exam 50% - students must pass each component

This course will build on the clinical and core courses in the specialty of Emergency Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6130HO

Nursing & Medical Science in Emergency Nursing II

- 4 units - semester 2
- 3 hours per week
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2,500 word (or equiv) report critique 50%, 2 hour exam 50% - students must pass each component

This course will build on Nursing and Medical Science in Emergency Nursing I and the other specialty emergency courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6131HO

Emergency Care in General Practice

- 2 units - semester 2
- 2 hours per week as required for workshops/flexible learning mode; 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: viva voce exam, competency assessment pass/fail - students must pass each component

This course will largely consist of field based learning within the area of emergency care. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning.

CLIN NUR 6132HO

General Practice Nursing I

- 4 units - semester 1
- 2 hours per week as required for workshops/Flexible learning mode; 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000 word case study 50%, competency assessment 50%

This course will largely consist of field based learning within the area of General Practice nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care.

CLIN NUR 6133HO

Health Assessment

- 3 units - semester 1
- 2 hours per week/Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000 word description of health assessment 50%, demonstration of a health assessment 50%

Taking a holistic approach, this course will present methods of taking a health history, physical examination skills and health promotion techniques. These skills will assist general practice nurses to function in a multidisciplinary setting and in isolated practice.

CLIN NUR 6134HO

Nursing and Medical Science in Primary Health Care

- 4 units - semester 1
- 3 hours per week/Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 1000 word mid-term assignment 25%, mid-term test paper 25%, 3000 word essay 50%

This course focuses on epidemiology, health education and promotion, the sociology of health and illness and models of primary health care.

CLIN NUR 6135HO

Pathology & Pharmacology in General Practice

- 3 units - semester 2
- 3 hours per week/Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2000 word essay 50%, 1.5 hour open book exam 50% - students must pass each component

This course advances students' understanding of pathology and pharmacology, as they relate to specific diseases. Students will be required to apply this knowledge to the clinical problems encountered in their daily nursing practice.

CLIN NUR 6136HO

Contemporary Issues in Aged Care

- 4 units - semester 1 or 2
- 2 hours per week or equivalent/Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word essay activity portfolio 50%, 2500 word essay 50%

This course will examine contemporary issues and debates specifically related to service delivery in the aged care sector. The impact of government policies and funding arrangements on the delivery of professional services to elderly people will be studied in

detail. Courses will be directly related to the management and administration of a nursing service for elderly people in Australia.

CLIN NUR 6137HO

Functional Assessment

- 4 units - semester 1 or 2
- 39 hours of tutorials/Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word activity portfolio 50%, 2500 word essay 50%

This course will focus on the skills of assessment and the planning of care and services. Topics will include physical assessment; assessment of activities of living; psychosocial assessment; problem identification and management; and enablement processes.

CLIN NUR 6138HO

Gerontological Nursing

- 4 units - semester 1 or 2
- 2 hours per week or equiv., 200 hours of clinical practice/flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word activity portfolio 50%, 2500 word essay 50%

This course examines the ageing process and uses the knowledge gained from understanding the ageing process to advance clinical skill acquisition based on theoretical frameworks of care through field based learning within the area of Gerontological Nursing.

CLIN NUR 6139HO

Palliative Nursing in Aged Care

- 4 units - semester 1 or 2
- 2 hours per week as required for workshops or equivalent/flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word activity portfolio 50%, 2500 word essay 50%

This course focuses on the special needs of the elderly at the end of life and will examine the role of the nurse in aged care providing palliative services. The course combines contemporary knowledge with field based learning within the area of Palliative Care Nursing in Aged Care. Topics covered include pain assessment and management, symptom control, support processes, spiritual issues, complementary therapies, loss, grief and bereavement and ethical issues.

CLIN NUR 6144HO

Intensive Care Nursing I

- 4 units - semester 1
- 2 hours per week as required for workshops; 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word essay 50%, 30 min. viva voce exam 50%, competency assessment pass/fail - students must pass each component

This course will largely consist of field based learning within the area of Intensive Care nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum that does not include the patient and family in context.

CLIN NUR 6145HO

Intensive Care Nursing II

- 4 units - semester 2
- 2 hours per week as required for workshops; 300 hours clinical practice
- Eligibility: Graduate Diploma in Nursing Science students only
- Assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component

This course will build on student's previous learning in Intensive Care Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Intensive Care nursing.

CLIN NUR 6146HO

Nursing & Medical Science in Intensive Care I

- 4 units - semester 1
- 3 hours per week for 13 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: clinical assessment sheets 1-3 50%, 2 hour exam 50% - students must pass each component

This course will build on the clinical and core courses in the specialty of Intensive Care nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6147HO

Nursing & Medical Science in Intensive Care II

- 4 units - semester 2
- 3 hours per week
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 1250 word work book completion (or equiv.) pass/fail, student presentation & 1000 word synopsis 50%, 2 hour exam 50% - students must pass each component

This course will build on Nursing and Medical Science in Intensive Care I and the other specialty Intensive Care courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6152HO

Nursing & Medical Science in Oncology Nursing I

- 4 units - semester 1
- Flexible delivery mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: portfolio equivalent to 2500 words 50%, essay equiv. to 2500 words 50%

This course focuses on the disease of cancer, how it is treated and the effects of treatment. Topics include physiology of cancer, treatment selection; the action of different treatment types, the effect on the individual undergoing treatment, cancer genetics, palliative care issues, and complimentary and psychological therapies.

CLIN NUR 6153HO

Nursing & Medical Science in Oncology Nursing II

- 4 units - semester 2
- Flexible delivery mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: portfolio equivalent to 2500 words 50%, essay equivalent to 2500 words 50%

This course builds on the knowledge gained during the previous semester, developing an understanding of specific diseases and their management. The impact of malignancy is considered including patient education and trials in oncology. Other specific areas discussed include legal and ethical considerations for oncology nurses.

CLIN NUR 6154HO

Oncology Nursing I

- 4 units - semester 1
- Flexible delivery mode, 300 hours clinical practice per semester - is equivalent to 2.5 days per week
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: case study equivalent to 2500 words 50%, presentation/synopsis paper equivalent to 2500 words 50%, skills book/diary pass/fail, online classroom participation pass/fail

This course addresses the specialised clinical skills necessary to practice as a registered nurse in the oncology setting and will largely consist of field based learning within the clinical practice setting of haematology/oncology nursing supported by clinical title holders. Participative workshops and online teaching will support learning.

CLIN NUR 6155HO

Oncology Nursing II

- 4 units - semester 2
- Flexible delivery mode, 300 hours clinical practice per semester - is equivalent to 2.5 days per week
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: poster presentation equiv. to 2500 words 50%, presentation/synopsis paper equiv. to 2500 words 50%, skills book/diary pass/fail, online classroom participation pass/fail

This course builds on the previous semester. Topics include leadership and research in cancer nursing, consumer perspectives, clinical trials, community supports and survival issues. Visits to various care settings are required. Participative workshops and online teaching will support learning.

CLIN NUR 6156HO

Nursing and Medical Science in Orthopaedics I

- 4 units - semester 1
- Flexible delivery mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: portfolio equiv. to 2500 words 50%, 2500 word evidence based practice essay 50%

This course focuses on nursing and medical science specific to the field of orthopaedic nursing. The focus is on the physiology, pathophysiology, biochemistry and therapeutics supporting the prevention, assessment and diagnostic studies of musculoskeletal conditions. Specific musculoskeletal disorders are then discussed utilising the same theoretical framework.

CLIN NUR 6157HO

Orthopaedic Nursing I

- 4 units - semester 1
- Flexible delivery mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: poster equiv. to 2500 words 50%, peer presentation equiv. to 2500 words 50%, clinical diary pass/fail, online tutorial & workshop attendance pass/fail

This course largely consists of field based learning within the area of orthopaedic nursing, supported by tutorials and workshops. It focuses on advanced clinical skill acquisition based on theoretical frameworks of care, aligned with topics covered in Nursing and Medical Science in Orthopaedics I.

CLIN NUR 6158HO

Orthopaedic Nursing II

- 4 units - semester 2
- Flexible delivery mode
- Eligibility: Grad.Dip. Nursing Science students only

- Assessment: poster equiv. to 2500 words 50%, case study 2500 words 50%, clinical diary pass/fail, online tutorial & workshop attendance pass/fail

This course builds on student's previous learning in Orthopaedic Nursing I. It focuses on further advanced clinical skill acquisition based in theoretical frameworks of care, aligned with topics covered in Nursing and Medical Science in Orthopaedics II.

CLIN NUR 6159HO

Nursing & Medical Science in Perioperative Nursing I

- 4 units - semester 1
- 3 hours per week/13 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2 500 word evidence based practice essay 50%, 2 hour exam 50% - students must pass each component

This course will build on the clinical and core courses in the specialty of Perioperative Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6160HO

Nursing & Medical Science in Perioperative Nursing II

- 4 units - semester 2
- 3 hours per week/13 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: class presentation & briefing paper 50%, 2 hour exam 50% - students must pass each component

This course will build on Nursing and Medical Science in Perioperative Nursing I and the other specialty Perioperative Nursing courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6161HO

Perioperative Nursing I

- 4 units - semester 1
- 2 hours per week as required for workshops, 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment pass/fail - students must pass each component

This course will largely consist of field based learning within the area of Perioperative Nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

CLIN NUR 6162HO

Perioperative Nursing II

- 4 units - semester 2
- 2 hours per week as required for workshops, 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment pass/fail - students must pass each component of course

This course will build on student's previous learning in Perioperative Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Perioperative Nursing.

CLIN NUR 6163HO

Contemporary Issues in Public Health Nursing

- 4 units - semester 1 or 2
- 2 hours per week/13 weeks
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: health promotion proposal and viva 50%, 3000 word essay 50% - students must pass each component

This course will examine the role of the nurse in health promotion and health surveillance in the following public health areas - women's health; men's health, maternal and child health; immunisation; substance abuse and mental health. It will focus also on advanced clinical skills acquisition with reference to theoretical frameworks of care through field based learning, supported by tutorials, within the area of public health nursing.

CLIN NUR 6167HO

Contemporary Issues in District Nursing

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 5000 word incremental portfolio

This course will focus on issues in District Nursing, Primary Health and New Public Health. The specific objectives are for students to understand primary health care philosophies underpinning practice; understand the socio-political environments in which care is delivered; and further develop 'transferable' management and communication skills.

CLIN NUR 6168HO

Population Profiling in Chronic Illness

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word need analysis report 50%, 2500 word project proposal 50%

This course will require students to apply the skills and knowledge gained form the previous courses in order to fufill the following objectives: to be able to profile populations and establish need; and to have the ability to create supportive environments and strengthen 'community' action in order for individuals/'families'/ communities to respond and help determine their own health status.

CLIN NUR 6169HO

District Nursing I

- 4 units - semester 1 or 2
- Flexible learning; 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word wound assessment form 50%, 2500 word self-evaluation & critical reflection regarding wound management practices 50%

This course will predominantly consist of field based learning. Students will be expected to develop expertise based on current research evidence and reflective practice. Students will be expected to develop literature searching and critical evaluation skills. Students will be able to select two of the following topics: health promotion, continence management, wound management, and an elective.

CLIN NUR 6170HO

District Nursing II

- 4 units - semester 1 or 2
- Flexible learning; 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word literature review 50%, 2500 word case study 50%

The specific objectives are for students to develop an aspect of care based on current research evidence: acquire literature searching critical evaluation skills using systematic procedures; and further develop 'transferable' management and communication skills. Students will be able to select two of the following topics: principles of management within the context of community/primary care, palliative care, diabetes, HIV/AIDS, disabilities, and aged care.

CLIN NUR 6175HO

Nursing & Medical Science in Orthopaedics II

- 4 units - semester 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: portfolio equiv. to 2500 words 50%, 2500 word evidence based practice essay 50%

This course builds on student's previous learning in Nursing and Medical Science in Orthopaedics I. Specific musculoskeletal disorders, therapeutic management of comorbidities, peri-acute rehabilitation and discharge planning of the orthopaedic patient are addressed supported by the underpinning physiology, pathophysiology, biochemistry, therapeutics and nursing science.

CLIN NUR 6178HO

Anaesthetic and Recovery Nursing I

- 4 units - semester 1
- 2 hours per week as required for workshops, 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency log book/assessment pass/fail - students must pass each component

This course will largely consist of field based learning within an anaesthetic room environment, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

CLIN NUR 6179HO

Anaesthetic and Recovery Nursing II

- 4 units - semester 2
- 2 hours per week as required for workshops, 300 hours clinical practice
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word case study presentation 50%, 30 min viva voce exam 50%, competency log book/assessment pass/fail - students must pass each component

This course will build on student's previous learning in Anaesthetic Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of anaesthetic room nursing.

CLIN NUR 6181HO

Nursing & Medical Science in Burns Nursing I

- 4 units - semester 1 or 2
- Flexible learning mode
- Assessment: 2500 word essay 50%, portfolio 50% - students must pass each course component

This course will examine nursing and medical science in relation to burn management and the principles of burn nursing. Topics will include anatomy & physiology, wound management, patho-physiology, pain management and surgical interventions.

CLIN NUR 6182HO

Nursing & Medical Science in Burns Nursing II

- 4 units - semester 1 or 2
- Flexible learning mode
- Assessment: 2500 word essay 50%, portfolio 50% - students must pass each course component

Course will focus on the rehabilitation of the burn patient and their family. The role and the future professional development of the burns nurse will also be addressed. Topics will include physical therapy, psychosocial care, discharge planning, disaster management, burn prevention and education. Students will be required to participate in field experience.

CLIN NUR 6183HO

Burns Nursing I

- 4 units - semester 1 or 2
- Flexible learning mode
- Assessment: poster 2500 word equivalent 50%, presentation & synopsis 1250 word equivalent 50%, online participation pass/fail - students must pass each course component

This course will largely consist of field based nursing within the area of clinical practice, supported by online discussions. Students will explore the specialist skills required for management of the patient with a burn injury.

CLIN NUR 6184HO

Burns Nursing II

- 4 units - semester 1 or 2
- Flexible learning mode
- Assessment: online discussion board, 1700 words equivalent 50%, presentation & synopsis 1250 words equivalent 50%, online participation pass/fail - students must pass each course component

This course will largely consist of field based nursing within the area of clinical practice, supported by online discussions. Students will explore the skills required for meeting the holistic needs for the management of the patient with a burn injury. The focus will be on case management, therapies, and the transition of patients with a burn injury back into the community.

CLIN NUR 6185HO

Rural Nursing I

- 4 units - semester 1 or 2
- Flexible learning mode
- Assessment: work portfolio 25%, 2500 word essay 50%, 1 hour written exam 25% - students must pass each course component

This course combines rural and Primary Health Care (PHC) and is oriented toward an integrated community and consumer approach and examines the processes and factors that shape nursing practice and PHC in rural areas and the demands and challenges thereof. The overall aim is to provide the student with information on trends and practices of rural nursing underpinned by a PHC focus.

CLIN NUR 6186HO

Rural Nursing II

- 4 units - semester 1 or 2
- Flexible learning mode
- Assessment: 1250 word essay, 25%, 15 min. viva exam 25%, 2 hour written exam 50% - students must complete competency work book & pass each component

The overall aim of this course is to provide the student with recent and comprehensive information on health assessment and management of emergency patient in a rural setting. This course combines health assessment and management of emergency patients giving the learner compressive skills to assess and manage clients. The course is presented into two sections and each section has six units. The course has a practical focus and encourages students to draw upon previous experiences while allowing the student to perform new advanced nursing skills in health assessment and management of emergency patients. For this purpose, a competence workbook has to be completed.

CLIN NUR 6187HO

Rural Nursing III

- 4 units - semester 1 or 2
- Flexible learning mode
- Assessment: 2500 word case study 50%, 2 hour written exam 50% - students must complete a competency work book and pass each component

This course examines chronic medical and mental conditions in rural and general populations and the impact this has on nursing practice. The course uses principles of medical nursing and health promotion in the management of chronic conditions. Topics will include management of selected medical chronic conditions, mental health assessment and management of mental health emergencies, legal aspects and transportation of mental health clients.

CLIN NUR 6190HO

Nursing and Medical Science in Acute Care Nursing

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 2500 word essay 50%, exam 50%

This course is designed to provide a theoretical framework in nursing and medical science that is specific to the area of acute care practice. The focus is on physiology, pathophysiology, biochemistry, therapeutics and nursing science delivered via lectures and workshops in a thematic modular fashion.

CLIN NUR 6191HO

Acute Care Nursing

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: tutorial presentation & synopsis paper 50%, portfolio 50%

This course compliments the concepts and knowledge presented in Nursing and Medical Science in Acute Care Nursing. It links theory with practice and consists of field based learning within the area of acute care practice, supported by online tutorials and workshops. It focuses on clinical skills acquisition through field based learning in the practice setting of acute care nursing.

CLIN NUR 6192HO

Medical Nursing

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: poster presentation (equiv. to 2500 words) 50%, 2500 word case study 50%

This course is designed to provide a theoretical framework specifically in medical nursing intertwined with the acquisition of advanced clinical skills that are pertinent. The focus is on physiology, pathophysiology, biochemistry, therapeutics and nursing science, of the most prevalent conditions relevant to medical nursing. The course will be delivered via modules in a thematic fashion.

CLIN NUR 6193HO

High Acuity Nursing

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: tutorial presentation & synopsis paper 50%, portfolio 50%

This course links theory with practice and consists of field based learning within the area of advanced practice in the acute care setting supported by online tutorials, lectures and workshops. It focuses on relevant advanced clinical skills acquisition covering topics from advanced life support, an introduction to mechanical ventilation, haemodynamic monitoring, assessment and management of the critically ill patient through to arrhythmia and ECG interpretation via field based learning in the practice setting.

CLIN NUR 6194HO

Surgical Nursing

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: poster presentation (equiv. to 2500 words) 50%, 2500 word case study 50%

This course is designed to provide a theoretical framework specifically in surgical nursing intertwined with the acquisition of advanced clinical skills that are pertinent. The focus is on physiology, pathophysiology, biochemistry, therapeutics and nursing science, of the most prevalent conditions relevant to surgical nursing. The course will be delivered via modules in a thematic fashion.

CLIN NUR 6195HO

Working with Clients and Community

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: 3000 word incremental learning portfolio 60%,2000 word case study 40%

Working with Clients and Community: A primary health care approach in district nursing practice will introduce students to primary health care. This course will enable students to understand primary health care philosophies underpinning practice and the principles of equity and social justice in health care. Specific areas that are addressed include; nursing in the community, assessment of the client and community, evidence for practice and health promotion.

CLIN NUR 6196HO

Acute Mental Health Care I

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: portfolio 60%, 2000 word article critique 40% - students must pass each course component

This course explores the theory and practice of the nurse-client relationship as the foundation of mental health nursing. It will also examine fundamental models, theories and nursing strategies that

form the basis of those areas of the physical, psychological and social sciences, which inform contemporary acute inpatient mental health nursing practice. Students will complete 300 hours of related clinical practice.

CLIN NUR 6197HO

Acute Mental Health Care II

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: portfolio 60%, 2000 word case study 40% - students must pass each course component

This course will build on the student's previous learning in Acute Mental health Care I in that it links theory with practice. The focus will be on the acquisition of clinical skills through field based training in the acute inpatient practice setting. Students will complete 300 hours of related clinical practice.

CLIN NUR 6198HO

Primary Mental Health Care

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: poster 40%, 3000 word essay 60% - students must pass each course component

This course will focus on the implications of the National Mental Health Reforms in the context of both inpatient and community settings. It will examine the epidemiology of mental illness as well as early intervention techniques and mental health promotion and prevention. Various therapeutic approaches will be identified, emphasising the principles of rehabilitation and recovery, community development and case management.

CLIN NUR 6199HO

Therapeutic Advances in Acute Mental Health

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: assessment of counselling competencies 60%, 2000 word annotated bibliography 40% - students must pass each course component

This course will enable strong links to be made with theory and practice utilising field based experiential learning within the area of advanced practice as the primary mode. The nurse will focus on the beginning development of their own therapeutic system drawing on models and theories from the humanistic, cognitive and behavioural therapies.

CLIN NUR 6200HO

Community Mental Health Nursing

- 4 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Grad.Dip. Nursing Science students only
- Assessment: Power Point presentation of case 60%, 2000 word annotated bibliography 40% - students must pass each course component

This course will focus on the process and principles of community mental health nursing. It will consist of field based learning supported by flexible learning options. Topics covered will include, caseload surveillance, case management, multidisciplinary teamwork, community development, psychosocial rehabilitation, risk assessment and consumer self-empowerment strategies, such as relapse prevention and crisis management.

CLINNUR2 7001HO

Empirical/Analytical Research in Nursing

- 3 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Master of Nursing Science students only
- Assessment: statistics workbook 40%, research proposal 60%

This course will build on student's previous learning on the empirico/ analytical paradigm and focus on research design from this perspective. Topics will include experimental and quasi-experimental design; surveys; developing hypotheses; sampling; approaches to data collection; reliability and validity. Students will also be introduced to published nursing research reports which utilise this perspective and will be required to subject these to rigorous critique.

CLINNUR2 7002HO

Interpretive and Critical Research in Nursing

- 3 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Master of Nursing Science students only
- Assessment: 2000 word essay 40%, research proposal 60%

This course will build on student's previous learning on the interpretive and critical paradigms and focus on research design from this perspective. Topics will include the critique of positivism and an introduction to interpretive methodologies, such as grounded theory, ethnography and phenomenology. There will be a brief overview of critical methodologies (feminist research and action research). Practical research activities such as literature searching, conducting interviews and coding qualitative data will also be provided.

CLINNUR2 7003HO

International Issues in Nursing Service Delivery

- 3 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Master of Nursing Science students only
- Assessment: on campus - presentation & 1000 word briefing paper 40%, 3000 word essay 60%; off campus - 2000 word essay 40%, 3000 word essay 60%

This course is designed to introduce students to a variety of topical issues related to the health care system and nurses' roles within it, both on a national and international level. Topics will include health and the environment, the epidemiology of disease, epidemiological tools, poverty, global conflict, the economics of health care, political awareness, leadership and spheres of nursing.

CLINNUR2 7004HO

The Emergence of A Theoretical Base for Nursing

- 3 units - semester 1 or 2
- Flexible learning mode
- Eligibility: Master of Nursing Science students only
- Assessment: 2000 word portfolio 50%, 3000 word essay 50%

This course will build on student's previous learning on nursing theory and will critique current discourses in nursing on theory development. Students will critically analyse nursing and locate and discuss the origins of dominant theories in nursing. They will apply and subsequently transform theory from other disciplines which inform nursing, develop theoretical understanding of nursing and advance the discipline of nursing through theoretical nursing in practice.

CLINNUR2 7005HO

Research Dissertation A

- 12 units - semester 1 or 2
- Individual supervision
- Eligibility: Master of Nursing Science students only

This component of the course requires the student to identify a research question or problem; to carry out a small research study based on this question; and to submit a fully developed report.

CLINNUR2 7006HO

Research Dissertation A Stage I

- 6 units - semester 1 or 2
- Individual supervision
- Eligibility: Master of Nursing Science students only
- Assessment: students receive satisfactory/unsatisfactory grade

This component of the program requires the student to identify a research question or problem; to develop a research proposal and commence data collection.

CLINNUR2 7007HO

Research Dissertation A Stage II

- 6 units - semester 1 or 2
- Individual supervision
- Eligibility: Master of Nursing Science students only
- Assessment: 20000 - 25000 word dissertation

This component of the program requires the student to identify a research question or problem; to carry out a small research study based on this question; and to submit a fully developed report.

CLINNUR2 7008AHO/BHO

Research Dissertation B

- 12 units - semester 1 or 2
- Individual supervision
- Eligibility: Master of Nursing Science students only
- Assessment: 30000 - 35000 word dissertation

This component of the program requires the student to identify a research question or problem; to carry out a substantial research study based on this question; and to submit a fully developed report.

CLINNUR2 7009HO

Research Dissertation B (P/T) Progressing

- 6 units - semester 1 or 2
- Individual supervision
- Eligibility: Master of Nursing Science students only
- Assessment: students receive satisfactory/unsatisfactory grade

This component of the program requires the student to continue to work on their research.

CLINNUR2 7010HO

Research Dissertation B (P/T) Final

- 6 units - semester 1 or 2
- Individual supervision
- Eligibility: Master of Nursing Science students only
- Assessment: 30000 - 35000 word dissertation

This component of the program requires the student to identify a research question or problem; to carry out a substantial research study based on this question; and to submit a fully developed report.

CLINNUR2 7011HO

Clinical Management

- 3 units - semester 1 or 2
- Eligibility: Master of Nursing Science students only
- Assessment: activities/discussion portfolio 40%, development of budget/strategic plan 60%

This course will explore contemporary issues in relation to health management in clinical nursing practice. Topics will include: health service organisation, strategic planning, financial planning, human resource management and clinical leadership.

CLIN NUR 7012HO

Systematic and Critical Reviews of the Research

- 3 units - semester 1 or 2
- Eligibility: Master of Nursing Science students only
- Assessment: 2000 word essay 40%, 3000 word review protocol 60%

This course introduces the students to reviews of research, the need for these reviews and different types of research reviews. Through a program of reading, students will have the opportunity to explore systematic and critical reviews. Students will gain an understanding of the role and components of a review protocol and the principles of research and approaches to summarising and synthesising the findings of research will also be explored.

CLIN NUR 7013HO

Critical Review Project

- 6 units semester 1 or 2
- Eligibility: Master of Nursing Science students only
- Assessment: 6000 word essay 60%, 4000 word article for publication 40%

This course will provide students with the opportunity to review the research literature on a topic of interest. During this program of study the student will utilise the skills and knowledge gained in the other Master of Nursing Science courses such as Systematic and Critical Reviews of the Research. Students will undertake a critical review of the literature, and based on this review, produce an article for publication in a peer reviewed journal.

CLINNUR3 8001HO

Contemporary Issues in Service Delivery

- 8 units - semester 1
- 4 hours per week
- Eligibility: Doctor of Nursing students only
- Assessment: 2000 word assignment 30%, 1500 word class paper 20%, 3000 word essay 50%

This unit sets out to establish a critical perspective on change in health care delivery. Students will be given opportunities to develop collaborative strategies for designing, implementing and evaluating change alongside appropriate experts in the field.

CLINNUR3 8002HO

Predicting, Critiquing and Visioning in Nursing

- 8 units - semester 1
- 4 hours per week
- Eligibility: Doctor of Nursing students only
- Assessment: 5000 word assignment 50%, exam 50%

This unit focuses on encouraging students to articulate goals and visions that reflect a considered and theoretically informed nursing approach to health care delivery. It is designed to enable a synthesis of work from previous units as a point of departure for shaping future high quality practice. Students will explore alternative frameworks for defining and delivering health care.

CLINNUR3 8005HO

Field Based Inquiry in Nursing II

- 6 units - semester 2
- 3 hours per week/3 weeks, negotiated access to nominated supervisor
- Eligibility: Doctor of Nursing students only
- Assessment: paper

This unit is designed to challenge students to be more than just analytical. It is designed to facilitate the development of students' ability to recognise the implications of change in the broad arena of society in general and health care and nursing in particular. In satisfying criteria associated with this unit, students will need to demonstrate the ability to advance and successfully defend innovative thinking in relation to service delivery. Students will be required to engage in a period of sustained involvement in a professional nursing setting and to prepare and submit a paper which focuses on predictable, desirable and visionary change.

CLINNUR3 8008HO

Research I

- 6 units - semester 1 or 2
- Eligibility: Doctor of Nursing students only
- Assessment: research based activities

This component of the degree requires students to identify substantive research questions or problems; to carry out research based activities; and to submit a portfolio of approximately 50,000 words which represents an original contribution to knowledge in nursing. The research portfolio should contain two or three separate research projects, related in terms of the area of interest and presented as completed research reports. The portfolio may also contain published work, for example a systematic review and/or an article published in a refereed journal from the student's research.

CLINNUR3 8009HO

Research II

- 6 units - semester 1 or 2
- Eligibility: Doctor of Nursing students only
- Assessment: research based activities

This component of the degree requires students to identify substantive research questions or problems; to carry out research based activities; and to submit a portfolio of approximately 50,000 words which represents an original contribution to knowledge in nursing. The research portfolio should contain two or three separate research projects, related in terms of the area of interest and presented as completed research reports. The portfolio may also contain published work, for example a systematic review and/or an article published in a refereed journal from the student's research.

CLINNUR3 8010HO

Research III

- 6 units - semester 1 or 2
- Eligibility: Doctor of Nursing students only
- Assessment: research based activities

This component of the degree requires students to identify substantive research questions or problems; to carry out research based activities; and to submit a portfolio of approximately 50,000 words which represents an original contribution to knowledge in nursing. The research portfolio should contain two or three separate research projects, related in terms of the area of interest and presented as completed research reports. The portfolio may also contain published work, for example a systematic review and/or an article published in a refereed journal from the student's research.

CLINNUR3 8011HO

Research IV

- 6 units - semester 1 or 2
- Eligibility: Doctor of Nursing students only
- Assessment: research based activities

This component of the degree requires students to identify substantive research questions or problems; to carry out research based activities; and to submit a portfolio of approximately 50,000 words which represents an original contribution to knowledge in nursing. The research portfolio should contain two or three separate research projects, related in terms of the area of interest and presented as completed research reports. The portfolio may also contain published work, for example a systematic review and/or an article published in a refereed journal from the student's research.

CLINNUR3 8012HO

Research V

- 6 units - semester 1 or 2
- Eligibility: Doctor of Nursing students only
- Assessment: research based activities

This component of the degree requires students to identify substantive research questions or problems; to carry out research based activities; and to submit a portfolio of approximately 50,000 words which represents an original contribution to knowledge in nursing. The research portfolio should contain two or three separate research projects, related in terms of the area of interest and presented as completed research reports. The portfolio may also contain published work, for example a systematic review and/or an article published in a refereed journal from the student's research.

CLINNUR3 8013HO

Research VI

- 6 units - semester 1 or 2
- Eligibility: Doctor of Nursing students only
- Assessment: research based activities

This component of the degree requires students to identify substantive research questions or problems; to carry out research based activities; and to submit a portfolio of approximately 50,000 words which represents an original contribution to knowledge in nursing. The research portfolio should contain two or three separate research projects, related in terms of the area of interest and presented as completed research reports. The portfolio may also contain published work, for example a systematic review and/or an article published in a refereed journal from the student's research.

Occupational Health & Safety

OH&S 7014HO

Occupational and Environmental Health Studies

- 3 units - semester 1 or 2
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised

This subject is an agreed program of study, negotiated between the student and the MOHS course coordinator. A variety of subjects may be considered from the fields of occupational, environmental or public health subjects, offered at either the University of Adelaide or the University of South Australia (including the two-week intensive National Short Course in Environmental Health.

OH&S 7031HO

Occupational Hygiene and Ergonomics

- 3 units - semester 2
- Internal & External mode
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised

This course is an introduction to practical occupational hygiene and ergonomics. There is broad coverage of chemical and physical hazards and of technologies for evaluation and control. Topics include their noise, vibration, thermal stress, shift work, biohazards and toxic chemicals. There will be discussion of exposure standards and the interpretation of hygiene data. There will also be an overview of ergonomics, including consideration of workstation and process design; displays and information systems; biomechanics; anthropometry; and psychological aspects.

OH&S 7105HO

Diseases of Occupation

- 3 units - semester 1
- Internal & External mode
- Available for Non-Award study
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: assignments

This course offers a broad introduction to occupational health and safety. It will address the relationships between work, work processes and work exposures, and the occurrence of disease and injury. The nature, extent and distribution of work-related death, disease and injury will be considered, with special emphasis on the Australian environment. An important aim is to encourage a critical attitude towards health and safety issues, so that students will learn to evaluate problems and formulate appropriate preventive measures on the basis of scientific principles. The elective includes some industrial visits.

OH&S 7114HO

National Short Course Environmental Health

- 3 units - semester 2
- Intensive course held over 5 days in December
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised

The course will focus primarily on the process of identifying, quantifying, evaluating and managing the health effects of population exposures to various environmental contaminants and other factors. 'Risk' will provide the framework, including hazard identification, risk assessment, risk management and risk communication. To address the potential hazards of ambient environmental exposures, various public health disciplines are needed: epidemiology to help identify hazards and quantify risk; toxicology to provide collaborative quantitative experiment data on biological effects of hazardous agents and understand the toxic process; environmental sciences to measure exposure; and various policy analysis-related disciplines (eg. environmental law, sociology, health economics) to appraise and manage risk. The course will illustrate the role of these disciplines in the investigation and management of environmental health problems. Viewed broadly, the study of environmental health encompasses urban design, transport noise management, and traditional public health issues in relation to human populations. It also encompasses macro problems such as climate change, ozone depletion and land degradation. These 'macro' topics will be briefly addressed but not systematically developed. As a result of attending this course, students will a) understand selected relationships between the environment and human health and b) be able to apply this information to develop risk assessment and risk management strategies.

OH&S 7131HO

Occupational Safety and Statistics

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised at start of semester

This course develops participants knowledge and skills in relation to three important components of OHS management. These are the investigation and analysis of factors contributing to incidents and accidents; the application of a risk management process to the recognition and control of plant safety risks; and the use and interpretation of data relating to occupational injury, disease and hazardous exposures.

OH&S 7132HO

OHS Management and Law I

- 3 units - semester 1
- Eligibility: Grad Cert, Grad Dip, Master of OH & S students
- Assessment: to be advised at start of semester

Historical perspective on socio-legal issues in occupational health and safety; the British factory legislation; Robens Report and other key influences. The Constitutional, common law, statute law and administrative framework for OH&S. Introduction to injury causation; hazard identification, risk assessment and control. Principles and systems for OH&S management.

OH&S 7133HO

Advanced Ergonomics

- 3 units - semester 1 or 2
- 2 lectures, 1 tutorial per week, worksite visits
- Prerequisite: OH&S 7031 Occupational Hygiene and Ergonomics
- Assessment: project and report 60%, written assignment 40%

Application of human physiological considerations in ergonomic assessments; identification of ergonomic factors in complex systems; formulation of ergonomic objectives and strategies; implementation of strategies to achieve best practice in ergonomic design of work environments, plant, equipment and processes.

OH&S 7134HO
Advanced Occupational Hygiene

- 3 units - not offered in 2005
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised at start of semester

This elective course deals with advanced topics in the areas of hazard evaluation and control. There will be practical coverage of industrial ventilation, confined space operations, noise propagation and control, chemical exposure measurement and laboratory analytical methods. The course includes field visits to illustrate environmental monitoring and control technologies.

OH&S 7135HO
Advanced OHS Management

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised at start of semester

Identification of symptoms of malfunction in OHS systems; formulating change objectives and strategies for change; structural and behavioural implications in achieving change; implementing and monitoring an OHS change strategy; the nexus with OHS management, quality and productivity initiatives in program implementation.

OH&S 7136HO
Occupational Safety

- 3 units - semester 1
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised at start of semester

For each of the specific hazards of fire and explosion, dangerous goods, electricity and confined spaces the following will be covered: basic concepts, definitions, terminology, nature of hazards; relevant legislation and standards; prevention and control measures; emergency planning and response. Specific high industry cases studies (including mining, construction, farming).

OH&S 7137HO
Occupational Toxicology

- 3 units - semester 1 or 2
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised at start of semester

This course will review concepts in chemical toxicology which constitute a rational basis for the setting of chemical exposure standards. It will include an overview of the principles of toxicology, toxicity testing and risk assessment. Examples will be drawn from typical industrial exposure situations.

OH&S 7138HO
OHS Management and Law II

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised at start of semester

This course will cover OH&S and relevant employment relations legislation. It will explore legal relationships in OH&S including employer/employee; principal/contractor, and supplier/purchaser. It will also address the enforcement pyramid and legal proceedings, OH&S management systems, their elements and their implementation, international and Australian quality standards and their nexus with OH&S.

OH&S 7139HO
OHS Research Methods

- 3 units - semester 1
- 1 lecture, 1 tutorial per week
- Eligibility: M. OH &S students
- Assessment: to be advised at start of semester

This course aims to give an introduction to research methods in OHS, focusing on the application of epidemiology and biostatistics. At the completion of the course the student should be able to understand the applicability of epidemiology to occupational health; grasp basic concepts; have a basic understanding of research strategies and be able to identify the appropriate research designs for a particular research question; and be able to appraise critically the occupational health literature which uses epidemiological techniques.

OH&S 7140HO
OHSM Dissertation

- 6 units - semester 1 or 2
- Eligibility: Grad Dip, M. OH &S students
- Assessment: examination of written work

The dissertation is an analysis or critical study of an occupational health and safety question. It would normally be based on information collected specifically for this study, although this is not an essential requirement. The dissertation provides students with an opportunity to consider an issue or problem in detail. No minimum length is prescribed, but as a general guide a length of 10-15,000 words might be expected.

A regular series of seminars will be held, at which students will present their research plans or progress.

OH&S 7141HO

Practical Occupational Health

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, M. OH &S students
- Assessment: to be advised at start of semester

This course develops participants skills and knowledge to anticipate, identify and control specific health hazards. Relevant ethical issues, health surveillance, systems for management of work-caused disability and the scope and function of occupational health services are also addressed.

OH&S 7143AHO/BHO

OHS Research

- full year

OHS Research Thesis to be completed over two semesters.

Oenology

OENOLOGY 7000EX

OENOLOGY 7000NW

Introductory Grape and Wine Knowledge

- 3 units - semester 1
- Internal: 2 lectures, 3 hours tutorial/practical per week, some practical components may be held in mid semester break; External: 4 day residential school during mid semester break
- Eligibility: B.Wine Marketing students - OENOLGY 1000NW, Diploma students - OENOLGY 1000EX,Grad.Dip./Master Wine Business students- OENOLOGY 7000NW/7000EX
- Assessment: semester written exams, practical tests

Grapevine morphology, growth and development; grape berry development; changes in grape berry composition during ripening; physiology of smell and taste; basic winemaking principles. Practical exercises sessions designed to train student's palate in wine sensory evaluation and to differentiate between Australian wine types and styles.

OENOLOGY 7002EX

OENOLOGY 7002NW

Vineyard and Winery Operations I

- 3 units - semester 2
- Internal: 2 lectures, 3 hours tutorials/practicals per week, some practical components may be held during mid semester break; External: 5 day residential school
- Eligibility: B.Wine Marketing students - OENOLGY 1001NW, Diploma students - OENOLGY 1001EX, Grad.Dip../Master Wine Business students - OENOLOGY 7002NW/7002EX
- Prerequisite: OENOLOGY 1000WT/1000NW/1000EX Introductory Grape and Wine Knowledge
- Assessment: semester written exams, practical tests

Climatic requirements for grapevines; vineyard design, establishment and operations including pruning, irrigation, canopy management, soil management and pest and disease management; characteristics of major white wine grape varieties; principles and practices of white and sparkling wine production; major white wine styles of the world; oak in winemaking.

Practical sessions relate to lecture topics and include viticulture exercises and wine sensory evaluation.

OENOLOGY 7003EX

OENOLOGY 7003NW

Vineyard and Winery Operations IIA

- 3 units - semester 1
- Internal: 2 lectures, 3 hours tutorials/practicals per week), some practical components maybe held during mid semester break; External: 4 day residential school
- Eligibility: B.Wine Marketing students - OENOLGY 2000NW, Diploma students - OENOLGY2000EX, Grad.Dip.Wine Business students - OENOLOGY 7003NW/7003EX
- Prerequisite: OENOLOGY 1001WT/1001NW/1001EX Vineyard and Winery Operations I
- Assessment: semester written exams, practical tests & reports

Characteristics of major red wine grape varieties; principles and practices of red wine production; major red wine styles of the world; techniques for grapevine improvement and biotechnology, as applied to the wine industry; wine packaging, bottling operations and quality standards; sensory science. Practical sessions relate to lecture topics and will include tasting sessions.

OENOLOGY 7004WT

Wine Packaging and Quality Management

- 3 units - semester 2
- 2 lectures, 4 hours practicals/field trips per week
- Prerequisite: OENOLOGY 3007WT/7010WT Stabilisation and Clarification, OENOLOGY 3047WT/7047WT Winemaking at Vintage
- Assessment: practicals, reports, written assignments & exams

Science and technology of bottling and packaging systems including chemical and physical properties of packaging materials, principles of filling machinery, design and process control of wine filling/packaging systems.

Wine and food laws and commercial forces as quality standards. Taints and residues in grapes and wine as quality issues. Approaches and systems of quality management using the wine industry as a focus, including the development of corporate quality cultures, standards and specifications, measurement for quality

assurance, process and performance analysis methods, quality accreditation. Visits will be made to commercial plants.

OENOLOGY 7010WT

Stabilisation and Clarification

- 3 units - semester 1
- 2 lectures, 4 hours practicals a week
- Prerequisite: OENOLOGY 2024WT/7028WT Introductory Winemaking
- Assessment: practicals, reports, written assignments, exam

Principles and practices of wine clarification and stabilisation. Protein, tartrate, metal, colour oxidative, and microbiological stability and stability testing of wine. Wine clarification by means of settling, centrifugation, filtration and fining.

OENOLOGY 7013WT

Winemaking

- 3 units - semester 1
- 8 hours per week (or equiv) commencing first week of February
- Prerequisite: OENOLOGY 2024WT Introductory Winemaking
- Corequisite: OENOLOGY 3016WT Cellar and Winery Waste Management
- Assessment: written exam, wine reports and presentations

Major table winemaking projects will be utilised to integrate wine technology with practical strategies to achieve wine quality targets.

OENOLOGY 7017EX

OENOLOGY 7017WT

Fortified Wines, Spirits and Non-Grape Beverages A

- 3 units - semester 2
- Internal: 2 lectures, 3 hours tutorial/practical equiv. per week, some practical components may be held in mid semester break; External: 5 day residential school during mid semester break
- Eligibility: B.Wine Marketing students - OENOLOGY 2017NW, Diploma students - OENOLGY 2017EX, Grad.Dip./Master Wine Business students - OENOLOGY 7017NW/7017EX
- Prerequisite: OENOLOGY 2000WT/2000NW/2000EX/2004NW/2004EX/7003NW/7003EX Vineyard and Winery Operations II(A)
- Assessment: semester written exams, practical tests.

Production of Australian, Spanish and Portuguese fortified wines; grape spirit and brandy productions; production of other distilled beverages; production of beer. Practical sessions relate to lecture topics and will include tasting sessions.

OENOLOGY 7019WT

Sensory Studies

- 3 units - semester 2
- 2 lectures, 4 hours practical a week
- Assessment: practical report, tasting tests, group presentation, written exam

Sensory evaluation and its relationship to the winemaking process, physiology of olfaction, taste and the oral mucosa, salivary composition, perception of sweetness, acidity, bitterness and astringency, sensory measurement theory, psychophysics, aroma and taste interactions, threshold measurement, psychological and physiological factors affecting perception, adaptation, sensory test methods, elements of good sensory practice including data collection and statistical analysis. The practical program will be used to illustrate concepts presented in lectures and to develop basic skills in sensory assessment of wines leading to the interpretation of wine characteristics in terms of wine style and quality.

OENOLOGY 7022WT

Cellar and Winery Waste Management

- 3 units - semester 1
- 2 lectures, 4 hours practicals per week
- Prerequisite: OENOLOGY 2024WT/7028WT Introductory Winemaking
- Corequisite: OENOLOGY 3047WT/7047WT Winemaking at Vintage
- Assessment: final exam, practical reports & tutorial papers

Vintage planning; occupational health and safety, winery record keeping; microbial control, cellular hygiene; winery waste management.

OENOLOGY 7028WT

Introductory Winemaking

- 3 units - semester 2
- 2 lectures, 4 hours practicals a week
- Assessment: practical reports, written assignments & exam

Introduction to the Australian wine industry. Chemistry and unit processes of winemaking. Production of table wines, including dry floral fruity white, full bodied white, sweet white, rose, medium and full bodied red wines.

OENOLOGY 7038WT

Distillation, Fortified and Sparkling Winemaking

- 3 units - semester 2
- 2 lectures, 4 hours practicals [or equivs] per week/7 weeks - some practical component may be held in mid semester break
- Prerequisite: OENOLOGY 2024WT/7028WT Introductory Winemaking, OENOLOGY 2022WT/7019WT Sensory Studies, OENOLOGY 3016WT /7022WT Cellar and Winery Waste Management
- Assessment: practical reports, assignments, written exam

Distillation principles and wine distillation practices. Production of Australian and overseas grape spirits for fortified wine and brandy production. Production of potable distilled beverages other than brandy. Legal requirements of fortified wine production and distillation. Production of Australian and overseas sparking wine styles. Sensory evaluation of spirits, fortified and sparkling wines.

OENOLOGY 7040WT

Sensory Evaluation of Foods

- 3 units - semester 1
- 2 lectures, 1 practical per week
- Assessment: to be advised

The role of sensory evaluation in marketing of food and beverages, physiological and psychological factors affecting sensory perception, relationships between sensory properties and product acceptability, measurement of sensory perception, design and conduct of sensory evaluation experiments, difference testing, preference testing, panel selection procedures, taste and aroma profiling, texture profiling, shelf life determination, sensory quality control, product development and optimisation, strategies for developing sensory evaluation programs. A range of food and beverage products will be assessed using the techniques and principles present in the lecture program.

OENOLOGY 7046WT

Fermentation Technology

- 3 units - semester 2
- 8 hours per week or equivalent
- Eligibility: Bachelor/Grad. Cert/Grad. Dip/Masters Oenology students
- Prerequisite: undergraduates -OENOLOGY 2024WT Introductory Winemaking, OENOLOGY 2022WT Sensory Studies
- Corequisite: postgraduates - OENOLOGY 7028WT Introductory Winemaking, OENOLOGY 7019WT Sensory Studies
- Assessment: exam, written work, practical reports, presentations

This practical course provides students with the opportunity to gain hands on winemaking experience that expands on areas of fermentation technology and preparation of wine for bottling post vintage. The course introduces students to the planning and managing of winemaking strategies, and importantly complements the theory covered in the other wine technology courses for table wine production. Another objective of this course is to help students make a considerable progression in the development of their wine sensory evaluation skills.

OENOLOGY 7047WT

Winemaking at Vintage

- 3 units - semester 1
- 8 hours per week
- Eligibility: Bachelor/Grad. Cert/Grad. Dip/Masters. Oenology students
- Prerequisite: OENOLOGY 2024WT/7028WT Introductory Wine making, OENOLOGY 2022WT/7019WT Sensory Studies
- Corequisite: OENOLOGY 3016WT Cellar and Winery Waste Management

This practical course provides students with the opportunity to gain hands on winemaking experience over the vintage period. The course introduces students to the planning and managing of winemaking strategies. It covers all aspects of grape processing, white juice preparation and red wine fermentation and is designed to complement the theory covered in the other wine technology courses for table wine production. This course also aims to help students make a considerable progression in the developments of their wine sensory evaluation skills.

OENOLOGY 7048WT

Advances in Oenology

- 3 units - semester 2
- 2 lectures per week, practical sessions, industry visits equivalent of 4 hours per week
- Assumed Knowledge: OENOLOGY 2024WT/7028WT Introductory Winemaking
- Assessment: written exam, reports on practical exercises, industry visits

Current research and practices in oenology. Particular emphasis will be placed on grape and wine phenolics and flavour compounds; methods of analysis in wine science; yeast biochemistry including nutrition, sugar transport, nitrogen and organic acid metabolism, ethanol toxicity, sulphur dioxide production and tolerance, yeast aroma compounds; the malolactic fermentation - biochemical and molecular approaches. Wine industry visits will focus on modern practices and recent developments to increase production efficiencies and wine quality.

Pharmacology

PHARM 5001EX

Bio-behavioural Aspects of Drug Use

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Cert, Grad Dip, M.A & D St. students
- Assessment: exam, assignments; relative weights to be advised at commencement of teaching

Students will learn how drugs affect the body, how they affect behaviour, why addiction occurs and what aspects of genetics, personality and social circumstances predispose to drug problems. The major drug classes to be considered are opioids, benzodiazepines, alcohol, psychomotor stimulants, 'party drugs', nicotine, caffeine, hallucinogens, cannabis and solvents. Pharmacodynamics and pharmacokinetics of the above drug classes, drug detection in body fluids and interpretation will be included.

PHARM 5002EX

Management of Drug Problems

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Cert, Grad Dip, M.A & D St. students
- Assessment: exam, assignments; relative weights to be advised at commencement of teaching

This course will introduce students to a the full range of treatments for drug problems, from management of overdoses to substitution treatment, psychosocial interventions and withdrawal management. Methods of assessment suitable for a variety of situations and drug problems will also be covered.

PHARM 5003EX

Law, Policy and Prevention

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Cert, Grad Dip, M.A & D St. students
- Assessment: exam, assignments; relative weights to be advised at commencement of teaching

This course will cover drug-related crime, drug use prevention and education strategies, and current national policies on alcohol, tobacco and illicit drugs.

PHARM 5004EX

Development of Drug Problems

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Dip, M.A & D St. students
- Assessment: exam, case reports; relative weights to be advised at commencement of teaching

This course will examine the factors that lead to problematic drug use. These include biological, behavioural and social factors. Epidemiology of drug use and of drug-related problems will be discussed, together with drug problems in youth and indigenous Australians.

PHARM 5005EX

Community Responses and Interventions

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Dip, M.A & D St. students
- Assessment: exam, essay; relative weights to be advised at commencement of teaching

This course will examine contrasting approaches to drug problems. At the community level, public health and legal responses to drug problems will be examined. At the individual level basic approaches to intervention will be reviewed with an emphasis on communication skills. Issues associated with co-occurance of mental health and drug issues will be discussed.

PHARM 5006EX

Professional Study

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Dip, M.A & D St. students
- Assessment: project report

Students will be required to analyse the role of drug and/or alcohol issues in their workplace or, through an attachment, in some other workplace and then to develop solutions to current problems. Data or other information will be collected to form the basis of a report on a topic approved by the course coordinator.

PHARM 7001EX

Principles of Drug Action

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Dip, M.A & D St. students
- Assessment: exam

This course will provide an introduction to the pharmacology of alcohol and other drugs of dependence. It will cover general principles of drug action as well as the pharmacology of specific drugs and drug classes. Also included will be material on drug interactions and pharmacological mechanisms of drug tolerance and dependence.

PHARM 7002EX

Aetiology of Drug Problems

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Dip, M.A & D St. students
- Assessment: exam, case reports; relative weights to be advised at commencement of teaching

This course will examine the factors that predispose to problematic drug use. This will include the individual and social factors that can result in the development of drug problems. Epidemiology of drug use and of drug-related problems will be discussed, together with drug problems in specific populations.

PHARM 7003EX

Treatment Principles and Practice I

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Dip, M.A & D St. students
- Assessment: exam, case reports; relative weights to be advised at commencement of teaching

This course will provide an overview of both assessment of patients with alcohol and drug problems and the options for treatment that are available. It will also include management of biomedical problems associated with alcohol and drug use including management of withdrawal, overdose and associated medical conditions.

PHARM 7004EX

Treatment Principles and Practice II

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Dip, M.A & D St. students
- Assessment: exam, case reports; relative weights to be advised at commencement of teaching

This course will focus on psychosocial interventions appropriate for people with alcohol and drug problems. While a range of approaches will be covered, emphasis will be on behavioural therapies developed for the treatment of alcohol and drug problems. Topics will include relapse prevention, controlled drinking, family therapy and brief intervention. Psychiatric problems associated with alcohol and drug use will also be covered.

PHARM 7005EX

Public Health Principles and Drug Use

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Dip, M.A & D St. students
- Assessment: exam, essay; relative weights to be advised at commencement of teaching

The public health perspective will be employed to examine how policy influences drug use and drug problems in our society. Issues to be covered include health promotion in the drug and alcohol area, supply and demand reduction and community action.

PHARM 7006EX

Practicum and Projects

- 4 units - trimester 1, 2 or 3
- Flexible learning mode
- Eligibility: Grad Cert, Grad Dip, M.A & D St. students
- Assessment: case summaries, project report; relative weights to be advised at commencement of teaching

Practicum requirements include a minimum of 2 x 2-week blocks of supervised clinical experience in alcohol/drug units, or its equivalent in case management. The project will consist of a comprehensive write-up of one case study, short summaries of a variety of cases and a project report.

PHARM 7007

Alcohol and Drug Studies Dissertation (Full-time)

- 12 units - semester 1 or 2
- Eligibility: M.A & D St. students
- Prerequisite: completion of M.D.&A coursework
- Assessment: dissertation

The student is required to identify a research question or problem and carry out a research project which is either experimentally based or is a case study series. The dissertation should include a thorough literature review, an appropriate methodology as well as presentation and interpretation of results. For the international/interstate students the 'dissertation' course will be undertaken in their home country/state under joint supervision of Adelaide and overseas/interstate researchers and academic staff. Some periods of residency in Adelaide may be required for the 'dissertation' course if academic progress is not satisfactory. Where necessary, the supervisor from The University of Adelaide will visit the student and the overseas/interstate supervisor to ensure supervision and research quality. Details will be determined on a case-by-case basis by the Department of Clinical and Experimental Pharmacology.

PHARM 7008A/B

Alcohol and Drug Studies Dissertation (Part-time)

- 12 units - semester 1 & 2
- Eligibility: Grad Dip, M.A & D St. students
- Prerequisite: completion of M.D.&A. coursework
- Assessment: dissertation

This course needs to be taken in semester 1 & 2 to fulfil the requirements of the dissertation. The students is required to identify a research question or problem and carry out a research project which is either experimentally based or is a case study

series. The dissertation should include a thorough literature review, an appropriate methodology as well as presentation and interpretation of results. For international/interstate students the dissertation course will be undertaken in their home country/state under joint supervision of Adelaide and overseas/interstate researchers and academic staff. Some periods of residency in Adelaide may be required for the dissertation course if academic progress is not satisfactory. Where necessary, the supervisor from the University of Adelaide will visit the student and the overseas/ interstate supervisor to ensure supervision and research quality. Details will be determined on a case-by-case basis by the Department of Clinical and Experimental Pharmacology.

Philosophy

PHIL 5000
Applied Ethics

- 6 units - semester 2
- Eligibility: postgraduate coursework students
- Assessment: 8000 word essay

This course is a Masters level introduction to the most prominent varieties of contemporary normative ethical theories, and their application to issues of ethical controversy. It describes and critically examines the different available versions of consequentialist, Kantian, contractualist and virtue theories, identifying the main points of contrast between them. It will also consider the views of those 'anti-theoretical' moral thinkers who reject all of these positions. A central concern will be to examine the role that such theories can play in serious ethical deliberation, and to provide a framework for reflection on the nature of ethical justification. The application of these different approaches will be illustrated with a range of examples taken from the fields of health care, business, journalism, public policy and international relations. The emphasis will be on identifying what is at stake in these debates, revealing the underlying theoretical issues that need to be resolved, and helping students to clarify their own theoretical orientation.

Physics

PHYSICS 7002
Advanced Astrophysics

- 3 units - semester 1 or 2

A survey of the Universe at all scales and wave lengths/energies. Stellar astrophysics, and studies of the interstellar medium and magnetic fields. Cosmic ray acceleration and propagation; pulsars, gamma-ray astrophysics; radio and x-ray astronomy. Space experiments including HST and COBE.

PHYSICS 7003
Advanced Atmospheric and Environmental Physics

- 3 units - semester 1 or 2

The course is an introduction to the physics of planetary atmospheres, with a focus on the Earth's atmosphere including environmental and climate issues. Topics will include radioactive transfer in the Sun-Earth system, thermodynamics of the atmosphere, cloud physics, atmospheric motions and circulation, the role of aerosols and minor constituents, such as water vapour, carbon dioxide and ozone, in determining climate, and the impact on the environment of anthropogenic actions.

PHYSICS 7004
Advanced Electromagnetism

- 3 units - semester 1 or 2

Boundary value problems, with applications to electrostatics and magnetostatics, time varying fields, and radiating systems.

PHYSICS 7006
Cosmology

- 3 units - semester 1 or 2

Theoretical and observational foundations of cosmology; relativistic theories, black body radiations, and inflation and galaxy formation.

PHYSICS 7007
Experimental Methods

- 3 units - semester 1 or 2

An introduction to statistical and Fourier techniques, with applications to experimental design and data analysis.

PHYSICS 7008
Gauge Theory

- 3 units - semester 1 or 2

An introduction to quantised non-Abelian gauge theories, including Feynman diagrams, weak models, and quantum chromodynamics.

PHYSICS 7009
General Relativity

- 3 units - semester 1 or 2

An outline of differential geometry with applications to General Relativity, including the Schwartzchild solutions, weak fields and gravitational waves.

PHYSICS 7010

Laser Physics and Non-Linear Optics

- 3 units - semester 1

A review of laser physics and an introduction to non-linear optical phenomena with applications.

PHYSICS 7011

Nuclear and Radiation Physics

- 3 units - semester 1 or 2

Production, transmission and measurement of ionising radiation, with medical and environmental applications, taught from experimental viewpoint.

PHYSICS 7012

Nuclear Theory and Particle Physics

- 3 units semester 1 or 2

A discussion of local gauge theories and particularly quantum chromodynamics, with applications.

PHYSICS 7013

Quantum Field Theory

- 3 units - semester 1 or 2

Photons and the electromagnetic field, Lagrangian field theory and Klein-Gordon field, the Dirac field and photons: co-variant theory, the S-matrix expansion, Feynman diagrams and rules in QED; QED processes in lowest order, radiative corrections.

PHYSICS 7014

Relativistic Quantum Mechanics & Particle Physics

- 3 units - semester 1 or 2

Relativistic wave equations, including Dirac equations, spinors, and introduction to field quantisation.

PHYSICS 7015

Statistical Mechanics and Many Body Theory

- 3 units - semester 1 or 2

A review of the aims and methods of classical and quantum statistical mechanics, with emphasis on the application of lattice models to phase transitions, and the simulation of quantum field theories.

PHYSICS 7016

Research Project (M.Sc. Physics)

- 12 units - semester 1 or 2

Supervised research project, usually in the same area as the advanced topic selected for Advanced Topic in Physics (below).

PHYSICS 7017

Advanced Topic in Physics

- 6 units - semester 1 or 2

Supervised reading: a review of contemporary developments and research in applied physics, astrophysics, atmospheric physics, optics and lasers or theoretical physics.

PHYSICS 7024

Topics in Mathematical Physics A

- 3 units - semester 1

Supervised reading: a review of contemporary developments and research in mathematical physics.

PHYSICS 7025

Topics in Mathematical Physics B

- 3 units - semester 2

Supervised reading: a review of contemporary developments and research in mathematical physics.

PHYSICS 7026

Computational Physics III

- 2 units - semester 2
- 2 lectures per week, 1 hour tutorial per fortnight
- Prerequisite: either PHYSICS 2000A/B Physics II or PHYSICS 2100 Physics IIA or PHYSICS 2004 Introductory Quantum Mechanics & Applications II and APP MATHS 2007 Differential Equations II - other students may apply to Head of Discipline for exemption
- Assumed Knowledge: APP MTH 1000 Scientific Computing or COMP SCI 1002A/B Computer Science I or equivalent

This is a hands-on course which provides an introduction to computational methods in solving problems in physics using the package Mathematica. It teaches programming procedures such as logical statements, conditional statements, loops and modules and covers basic mathematical methods such as root finding, integration and solving differential equations, together with methods of linear algebra, both approximately and exactly (i.e. symbolically). These computational methods are applied to problems in physics, including the modelling of classical physical systems and to quantum mechanics, as well as to data analysis such as linear and nonlinear fits to data sets. Applications of high performance computing are included where possible, such as an introduction to parallel computing and also to visualization techniques.

PHYSICS 7027

Electromagnetism and Optics III

- 3 units - semester 1
- 3 lectures, approximately 1 tutorial per week
- Prerequisite: PHYSICS 2100 Physics IIA, PHYSICS 2200 Physics IIB
- Assumed knowledge: APP MTH 2006 Methods in Applied Mathematics II or APP MTH 2002 Vector Analysis and Complex Analysis; concepts of electromagnetism, optics & quantum mechanics taught in Physics IIA/IIB
- Restriction: PHYSICS 3018 Electromagnetism III, PHYSICS 3019 Physical Optics III

Electrostatics, magnetostatics, vector potential and gauge transformations, Maxwell's equations, plane electromagnetic waves in free space, waveguides. Maxwells equations in matter, Poynting's theorem. Propagation of electromagnetic waves in vacuum: Hermite-Gaussian and Laguerre-Gaussian solutions of the wave equation, numerical beam propagation, Fresnel-Kirchhoff integral, Fresnel diffraction, Fraunhofer diffraction, Fourier optics, Array theorem, Abbe's theory of imaging, apodization, amplitude and phase spatial filtering, optical transfer function (OTF, MTF, PTF). Interaction of electromagnetic waves with solids: Lorentz electron oscillator model, propagation in isotropic dielectrics, dispersion, phase and group velocities, reflection/refraction at dielectric interfaces, propagation of light in anisotropic dielectrics, manipulation of polarization, Faraday effect, reflection of light at metal surfaces.

PHYSICS 7028

Experimental Physics III

- 3 units - semester 1
- 8 hours practical work per week
- Prerequisite: either PHYSICS 2000A/B Physics II or PHYSICS 2100 Physics IIA and PHYSICS 22200 Physics IIB - other students may apply to the Head of Discipline for exemption

Laboratory experiments in selected areas including atomic and nuclear physics, optics, thin films and electromagnetism, plus a practical electronics course related to analogue circuits and operational amplifiers.

PHYSICS 7029

Mathematical Physics III

- 2 units - semester 1
- 2 lectures per week, approximately 1 tutorial per fortnight
- Prerequisite: MATHS 1007A/B Mathematics I (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I) - other students may apply to the Head of Discipline for exemption
- Assumed Knowledge: PHYSICS 2002 Classical Fields and Mathematical Methods II or equivalent; APP MTH 2007 Differential Equations II; either APP MTH 2006 Methods in Applied Mathematics II or APP MTH 2002 Vector Analysis and Complex Analysis; PURE MTH 2002 Algebra II; PURE MTH 2006 Real and Complex Analysis II

Vector spaces, linear operators, inner product spaces. Linear functionals, dual space, tensors, r-vectors. Grassmann algebra. Quaternions, Lie algebras and Lie groups. Continuous vector spaces, distributions, Fourier transforms, Green's functions for Laplace's equation and the wave equation.

PHYSICS 7030

Quantum Mechanics III

- 3 units - semester 1
- 3 lectures, approximately 1 tutorial per week
- Prerequisite: either PHYSICS 2000A/B Physics II or PHYSICS 2100 Physics IIA or PHYSICS 2004 Introductory Quantum Mechanics & Applications II and APP MATHS 2007 Differential Equations II - other students may apply to the Head of Discipline for exemption

This course introduces concepts essential for the understanding of quantum mechanics and the microscopic structure of matter. Review of principles and postulates of quantum mechanics. Mathematical formalism and Dirac bra-ket notation. Commuting observables, compatibility, and the Heisenberg uncertainty relations. Unitary transformations. Schroedinger equation and time evolution. Orbital angular momentum, spherical harmonics, and spatial rotations. Angular momentum, addition of angular momenta, and Clebsch-Gordon coefficients. Schroedinger equation in three dimensions. Separability and central forces spherical square well, hydrogen-like atoms, three-dimensional oscillator. Time-independent approximation methods Perturbation theory, variational methods, WKB approximation. Fine structure of hydrogen atom.

PHYSICS 7032

Advanced Dynamics and Relativity III

- 3 units - semester 2
- 3 lectures, approximately 1 tutorial per week
- Prerequisite: either MATHS 1007A/B Mathematics I (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); PHYSICS 2002 Classical Fields and Mathematical Methods II or PHYSICS 2000A/B in 2002 & 2003; PHYSICS 2001 Classical Mechanics II - other students may apply to Head of Discipline for exemption

Mechanics: Lagrangian mechanics, variational techniques, conservation laws, Noether's theorem, small oscillations, Hamiltonian mechanics, Poisson brackets. Relativity: space-time vectors and tensors, relativistic mechanics, electrodynamics; field-strength tensor, Lienard-Wiechert potentials.

PHYSICS 7033

Introduction to Physics Research III

- 2 units - semester 2
- 10 lectures, 12 seminars, 5 hours tutorials, 20 hours project work
- Prerequisite: 4 units Level II Mathematics, 6 units Level III Physics, understanding of a range of physics concepts & methods developed in studies of physics at Level III, supported by knowledge of mathematics at Level II

This course develops skills and knowledge related to the practice of physics research. It includes an introduction to research practice employed in physics laboratories, an examination of the operation of some physics laboratories through the attendance at departmental research talks, the development of oral and written presentation skills, and a project.

PHYSICS 7034

Physics of Solid State Devices

- 2 units - semester 2
- 2 lectures, approximately 1 tutorial, 1 computer lab per week
- Prerequisite: either PHYSICS 2000A/B Physics II or PHYSICS 2100 Physics IIA and PHYSICS 2200 Physics IIB - other students may apply to the Head of Discipline for exemption

Physics of solid-state devices: introduction to crystal structures, lattices, energy bands, band-gap engineering, material growth, current carriers, carrier transport: drift, diffusion, generation and recombination, pn junctions, Zener and avalanche breakdown. Devices: PIN photodiodes; short-base and long-base diodes, a brief introduction to heterojunctions and 2-DEG devices; ohmic and non-ohmic Schottky junctions; JFETs, MESFETs, MISFETs, MOSFETs, CMOS, and BJTs; Ebers-Moll equations; heterojunction BJTs.

PHYSICS 7035

Statistical Mechanics III

- 2 units - semester 2
- 2 lectures per week, approximately 1 tutorial per fortnight
- Prerequisite: either PHYSICS 1000A/B Physics I (Pass Div I) or PHYSICS 1100 Physics IA and PHYSICS 1200 Physics IB, and MATHS 1007A/B Mathematics I (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I) - other students may apply to the Head of Discipline for exemption
- Assumed Knowledge: PHYSICS 2000A/B Physics II or PHYSICS 2100 Physics IIA and PHYSICS 2200 Physics IIB

This course introduces concepts essential for the understanding of both classical and quantum statistical mechanics. Topics covered include the classical laws of thermodynamics and their application, postulates of statistical mechanics, statistical interpretation of thermodynamics, microcanonical, canonical and grand canonical ensembles. The methods of statistical mechanics are then used to develop the statistics for Bose-Einstein, Fermi-Dirac and photon gases. Selected topics from low temperature physics, and electrical and thermal properties of matter will be discussed.

PHYSICS 7043

Photonics III

- 2 units - semester 2
- 2 lectures per week, approximately 1 tutorial per fortnight
- Prerequisite: either PHYSICS 2000A/B Physics II or PHYSICS 2100 Physics IIA and PHYSICS 2200 Physics IIB; PHYSICS 2009 Photonics II - other students may apply to the Head of Discipline for exemption

Interaction of light with matter, time dependent perturbation theory, stimulated and spontaneous emission and absorption, stability of resonators, mode matching, advanced laser resonators, macroscopic description of the gain medium, rate equations, gain saturation and broadening, hole burning, MOPA's, CW lasers, optimum output coupling, injection-locking, frequency stabilization, pulsed lasers, gain switching, Q-switching, injection-seeding, transform limit, pulse chirping, mode-locked lasers, semiconductor lasers, fibre lasers, fibre Bragg gratings, fibre couplers, WDM's. Lasers: ruby, chemical, solid state, dye, excimer, ion, CO2. Laser safety.

PHYSICS 7100

Diploma Project (Physics) A

- 6 units - semester 1
- Assessment: report & seminar

Supervised research project in physics.

PHYSICS 7102

Mathematical Physics Diploma Project A

- 4 units - semester 1 or 2
- Assessment: report & seminar

Supervised research project in mathematical physics.

PHYSICS 7103

Space Science and Astrophysics III

- 3 units - semester 1
- 35 lectures, 11 tutorials
- Prerequisite: 2100 Physics IIA, 2200 Physics IIB
- Assumed Knowledge: thermodynamics, electromagnetism, quantum mechanics and optics as taught in Physic IIA/B
- Restriction: PHYSICS 3013 Astrophysics III, PHYSICS 3014 Atmospheric & Environmental Physics III

A survey of the universe at all scales and all wavelengths. A brief discussion of stellar astrophysics. Radiative transfer in the sun-earth system. Thermodynamics of the atmosphere, including cloud physics, atmospheric motions and circulation. Introduction to the roles of aerosols and minor atmospheric constituents such as

water vapour, carbon dioxide and ozone. The impact of anthropogenic processes. The interstellar and intergalactic medium including magnetic fields. Introduction to astrophysical plasmas and their study, including the ionosphere. High energy astrophysics including an introduction to cosmic ray physics and processes studied at radio, x-ray and gamma-ray energies.

PHYSICS 7200
Diploma Project (Physics) B

- 6 units - semester 2
- Assessment: research project, report and seminar

Supervised research project in physics.

PHYSICS 7202
Mathematical Physics Diploma Project B

- 2 units - semester 1 or 2
- Assessment: research project, report and seminar

Supervised research project in mathematical physics.

PHYSICS 7207
Applied Quantum Mechanics III

- 2 units - semester 2
- 24 lectures, 6 tutorials
- Prerequisite: PHYSICS 3004 Quantum Mechanics III
- Assumed Knowledge: PHYSICS 2004 Introductory Quantum Mechanics and Applications II, or PHYSICS 2100 Physics IIA, understanding of concepts developed in Quantum Mechanics III
- Restriction: PHYSICS 3005 Advanced Quantum Mechanics

This course studies applications and advanced topics in quantum mechanics. It reviews the postulates and formalism of quantum mechanics before examining the roles of angular momentum, symmetries, parity, and the conservation laws. The Heisenberg and Schroedinger pictures of quantum mechanics are examined. Feynman path integrals are discussed. Applications include the harmonic oscillator and the effect of periodic potentials, leading to Bloch wave functions and an introduction to solid state physics. Time-dependent perturbation theory is examined, as is Fermi's Golden rule. A study of the interaction of quantum systems with radiation leads to lasers and masers, and magnetic resonance. The study of scattering from a spherical potential is introduced. Concepts common to a fundamental understanding of atomic physics and the nuclear shell model are discussed.

PHYSICS 7208
Advanced Solid State Devices

- 3 units - semester 2
- 2 lectures, approximately 1 tutorial, 1 computer lab per week
- Prerequisite: either PHYSICS 2000A/B Physics II or PHYSICS 2100 Physics IIA and PHYSICS 2200 Physics IIB

Physics of solid-state devices: introduction to crystal structures, lattices, energy bands, band-gap engineering, material growth, current carriers, carrier transport: drift, diffusion, generation and recombination, pn junctions, Zener and avalanche breakdown. Devices: PIN photodiodes; short-base and long-base diodes, a brief introduction to heterojunctions and 2-DEG devices; ohmic and non-ohmic Schottky junctions; JFETs, MESFETs, MISFETs, MOSFETs, CMOS, and BJTs; Ebers-Moll equations; heterojunction BJTs. III-V heterojunctions and electro-optic devices: advanced band-gap engineering; superlattices and mini-bands, Stark ladders; quantum wells, quantum-confined Stark effect, laser diodes, quantum cascade lasers.

PHYSICS 8001
Radiotherapy Physics

- 3 units - semester 2
- Prerequisite: PHYSICS 7011 Nuclear & Radiation Physics or equiv

Radiation therapy involves the therapeutic use of controlled doses radiation for cancer treatment in hospitals. This reading-tutorial course consists of 24 topics covering various aspects of Radiotherapy Physics. Course notes are available via the internet and a list of recommended text books. Topics include: units and definitions of physical quantities used in radiotherapy, radiobiological basis for radiotherapy, compartment analysis, measurement of radiation for radiotherapy, Bragg-Gray theory, absorbed dose measurements, depth-dose profiles, field correction factors, calibration of ionisation chambers for photon and electron beams, quality assurance protocols, treatment machines (linacs), treatment planning overview, beam data specification and acquisition, treatment planning: photons and electrons, single and multiple beams, conformal and intensity modulated RT, other beams: proton therapy, simulators and ancillary techniques, simulations, dosimetry and therapeutic techniques using unsealed sources, brachitherapy, shielding calculations in medical equipment installations.

PHYSICS 8002
Radiation Biology, Protection and Epidemiology

- 3 units - semester 1
- Assumed Knowledge: PHYSICS 7011 Nuclear & Radiation Physics or equivalent

The aim of this on-line course is to provide an understanding of the effects of radiation in vivo, operational health physics, radiation protection and epidemiological methods appropriate for practice as a medical or health physicist. The reading-tutorial course consists

of 25 topics covering various aspects of Radiation Biology, Protection and Epidemiology. Lecture notes are available on the internet. Topics include: radiation protection quantities, risk and exposure, radiation chemistry, biological effects of radiation on cells and tissues, dose fractionation, Linear Energy Transfer, Relative Biological Effectiveness, clinical radiobiology, sources of radiation, Radon-222 and its daughters, medical exposure, man made & industrial sources of radiation, Chernobyl, atomic bomb survivors, health effects of low levels of ionising radiation, early and late effects from high doses of radiation, shielding calculations in medical equipment installations, radiation safety in the laboratory and clinical environment, personnel protection and monitoring, radiation protection legislation, genetic effects and risks, introduction to epidemiology, association vs causation, non-ionising radiation risks and radiation epidemiology.

Plant Science

PLANT SC 7002WT

Plant Nutrition for Productive Systems

- 2 units - not offered in 2005
- 10 lectures, 5 tutorials, 5 hour field trip, 20 hours laboratory, glasshouse, library work - over one week
- Assumed Knowledge: degree/diploma in Science or Agricultural Science
- Restriction: PLANT SC 3004WT Mineral Nutrition of Plants
- Assessment: written work, short presentation

Topics considered are: symptomatology, diagnosis and prognosis, correction and fertiliser strategies, interactions between nutrients, interactions with other factors in production such as, genotype, disease, herbicide, climate. Contemporary issues: pollution, profitability, role of plant nutrition in sustainable systems for nutrition of humans and animals. Experimental methodology.

PLANT SC 7003WT

Plant Tissue Culture and Transformation

- 2 units - semester break (July)
- 8 hours a day for 5 days
- Assumed Knowledge: B.Sc. (Biol)/B.Ag.Sc.
- Assessment: to be advised

This course is designed to introduce participants to the basic principles and techniques of tissue culture and plant transformation. Each day of the course regular periods of time will be devoted to background information, practical training followed by discussion of results and the application of techniques. The topics covered will be: basic principles, media composition, selection of growth regulators, explant tissue; in vitro propagation of horticultural plants; shoot multiplication (direct organogenesis); mass propagation of plants from callus (indirect organogenesis); out planting; hardening and acclimatisation to soil; establishment of a cell suspension culture and its maintenance and applications; plant transformation, using Agrobacterium and direct DNA delivery techniques, its application in functional analysis of genes and genetic engineering of crop plants.

PLANT SC 7004WT

Mineral Nutrition of Plants

- 3 units - semester 2
- 2 lectures, 4 hours practicals a week
- Prerequisite: PLANT SC 2001WT Agricultural Botany; or APP ECOL 1003RW Biology of Plants and Animals; or equivalent
- Assessment: exam 60%, practical reports 30%, reviews, essays 10%

An advanced course which takes its brief from the acute deficiency in minerals of most South Australian soils, and the pre-eminent role of nutrition in successful agricultural production in this State. Topics are discussed in a context of both agricultural and horticultural industries, and include factors affecting nutrient acquisition by roots, diagnosis and correction of macro and micronutrient problems, fertiliser strategies, nutritional effects on produce quality, including nutritional quality, nutrition and disease resistance, genetic control of adaptation to nutrient limitations in soils, the role of symbiotic dinitrogen fixation, nutritional aspects of nitrogen fixation. A practical component supplements the lectures by providing hands on experience of the important issues.

PLANT SC 7005WT

Introductory Plant and Animal Breeding

- 3 units - semester 1
- 2 lectures, 4 hours of practicals a week
- Assumed Knowledge: GENETICS 2003 Basic Genetics or GENETICS 2000A/B Genetics II or ANIML SC 2029WT Genes and Inheritance
- Assessment: to be advised

The process of deliberate selection and improvement of animals and plants is integral to the development of civilisation. This course introduces the fundamental concepts of breeding: genetic diversity and modes of inheritance; strategies for setting objectives and maximising selection and improvement of key traits; breeding methodologies for self or cross pollinated plants and animals, and perennials.

PLANT SC 7009WT

Molecular Markers in Plant Breeding

- 2 units - one week in semester 1
- 40 hours
- Assumed Knowledge: degree in Agricultural Science or Science
- Assessment: practical report 60%, essay 40%

The aim of this course is to teach the basic principles of recombinant DNA technology with an emphasis on the application of these techniques to plant breeding. Lectures will cover basic aspects of DNA structure and the organisation of the plant genome, the application of molecular markers to breeding programs and various related recombinant DNA techniques. The practical program includes the identification of molecular markers using polymerase chain reaction – based techniques and analysis.

PLANT SC 7011WT

Advanced Plant and Animal Breeding

- 3 units - semester 2
- Prerequisite: PLANT SC 3007WT Introductory Plant and Animal Breeding
- Assessment: to be advised

Advanced Plant and Animal Breeding examines the role of genetic manipulation in agriculture. This course is designed for students who intend to enter either the crop or animal industries. It is virtually an essential adjunct to those whose primary interests are in: integrated pest and disease management; animal husbandry; crop science, as genetic manipulation is the major alternative to changes in management in these areas and often presents the more efficient methods of solving agricultural problems. The course is also an introduction for those who wish to continue in research in genetics of crops and animals and those will become full-time breeders. Students will develop specialised skills in strategies and technologies which can be applied to breeding of plants, including field crops and horticultural crops and in animal breeding and selection. The lectures will cover advanced breeding techniques (hybrids, heterosis, male sterility); special techniques (mutations, polyploidy, cytogenetics, reproductive technologies); application of molecular technologies (QTL analysis, marker assisted selection, pedigree analysis, association genetics and mapping); the physiological, molecular and genetic basis of resistance to pests, parasites and disease; the statistical and genetic basis of genotype x environment interaction and breeding for end-product quality. The practical program includes field trips to a number of practical plant and animal breeding projects, computer based simulation studies and interactive tutorials.

PLANT SC 7012WT

Biotechnology in the Food and Wine Industries

- 2 units - semester 1
- Assumed Knowledge: PLANT SC 2002WT Chemistry of Biopolymers
- Assessment: practical reports, assignments, written exam

Application of biotechnology in the food and wine industry: use of recombinant DNA methods in manipulation of bacteria and yeast cultures; transgenic plants with improved traits and products with better quality, enzyme engineering for efficient food processing and production, non-alcoholic and alcoholic fermentations, food additives. Ethical issues and limitations of the gene manipulation technology will also be discussed.

PLANT SC 7013WT

Plant Molecular Biology

- 6 units - semester 2
- 3 lectures,1 tutorial, 8 hours practicals a week
- Assumed Knowledge: PLANT SC 2002WT Chemistry of Biopolymers and ANIML SC 2029WT Genes and Inheritance or BIOCHEM 2000A/B Biochemistry II or equivalent.
- Assessment: practicals 20%, tutorial projects 10%, literature review 20%, final exam 50%

This course provides a current review of our knowledge in plant development, environmental responses and plant-microbe interactions. There is an emphasis on the molecular mechanisms directing plant gene expression under diverse environmental and developmental stimuli. This knowledge is central to our ability to modify plant responses and properties for commercial gains in biotechnology and agriculture. Areas covered in the course include: plant genes and genomes; mechanisms that control plant gene expression; molecular-genetic analysis of important characteristics; signal transduction; molecular biology of plant development, reproduction, and responses to disease and other environmental factors. In the laboratory classes, students will perform some of the techniques currently used to generate plant molecular biology information and undertake a research project related to current research in plant molecular biology and biotechnology.

Psychology

PSYCHOL 7101

Adult Clinical Psychology

- 4 units - semester 1
- 2 x 3 hour sessions per week, prac. work in student's own time
- Eligibility: M.Psych.(Clin.) students, or permission of Head of Dept
- Assessment: multiple choice exam 30%, class presentation or assignment 30%, take-home exam 40%

This course teaches students to assess adult mental health, diagnose psychological disorders, formulate treatment plans, and evaluate the scientific literature about the efficacy and effectiveness of therapeutic interventions. Students gain an understanding of the assessment and management of a wide range of psychological disorders including those of high and low prevalence.

PSYCHOL 7102

Applied Methodology

- 2 units - summer semester
- 7 day Intensive course (9:30am-3:30pm) - 2 days in Nov. 2004, 5 days in Feb.2005
- Eligibility: M.Psych.(Clin.) students, or permission of Head of Dept
- Assessment: group presentation 10%, list of research questions 10%, presentation of methods 10%, ethics application 70%

The course is intended to be highly applied and of direct relevance to clinical practice. It has a heavy emphasis on program design and evaluation, and the student is also introduced to the methods for critically appraising the literature, and to the basic skills of writing research proposals. The course will cover descriptive and experimental research methods from both quantitative and qualitative perspectives, as well as other contemporary approaches to research and evaluation, such as audit and case studies.

PSYCHOL 7103

Child Clinical Psychology

- 2 units - semester 1
- 3 hours per week
- Assessment: 2 assignments

This course aims to provide theoretical knowledge and practical experience in child clinical psychology. The focus is on the assessment, treatment and conceptualisation of problems of children and adolescents with particular reference to risk factors in development, effects of the family context on children, behavioural and emotional problems in children, chronic illness and disability, health behaviours and adolescent lifestyle factors.

PSYCHOL 7104

Clinical Neuropsychology

- 2 units - semester 1
- 3 hours per week
- Prerequisite: PSYCHOL 7108 Psychological Assessment or equiv
- Assessment: critical review of commonly used neuropsychological test, critical review of neuropsychological disorder

This course will introduce students to the field of clinical neuropsychology with a particular emphasis on assessment. It will examine: the field of interest; the main purposes of neuro-psychological assessment; the underlying assumptions in this field; the areas of cognitive functioning that are of interest to neuropsychologists; the behavioural geography of the brain; and the notion of deficit measurement. Moreover, it will introduce students to some of the main methods by which cognitive skills such as orientation, attention, memory, language, construction, reasoning, executive functions and psychomotor skills are assessed. Students will also be introduced to a variety of disorders that are characterised by deficits in these areas of functioning. Case studies will be used to illustrate the deficits associated with these disorders and to develop students' skills in interpreting neuropsychological test data.

PSYCHOL 7105

Preparation for Psychological Practice II

- 2 units - semester 2
- 3 hours per week
- Prerequisite: PSYCHOL 7107 Preparation for Psychological Practice I
- Assessment: videotaped demonstrations of clinical skill acquisition, workshop presentation

This course involves intensive training in advanced psycho-therapeutic approaches, such as cognitive behavioural therapy. It employs the same model of integrated skills training used in Preparation for Psychological Practice I. Students will be trained to a performance criterion for each specific skill, in a supportive group setting. Students will be required to demonstrate competency in each skill to pass the course. The course also covers issues of relevance to clinical practice, such as supervision during clinical placements, giving expert testimony in court, psychotherapeutic interventions for complex cases and ethical dilemmas in professional practice. By the conclusion of the course, students will have acquired a repertoire of individual and group therapeutic techniques, and a knowledge of how to apply these skills in a flexible manner according to the needs of the client.

PSYCHOL 7106

Health Psychology

- 2 units - semester 1
- 3 hours per week
- Assessment: group-based assignment 50%, written paper 50%

This course examines the relationships of social, behavioural and cognitive variables to health and health care. It covers those aspects of the social environment that influence health and illness outcomes, including the interactions amongst family members and between health care consumers and healthcare providers. Risk factors for health-compromising behaviours are also discussed, including strategies for their modification.

PSYCHOL 7107

Preparation for Psychological Practice I

- 2 units - semester 1
- 3 hours per week
- Assessment: videotaped demonstrations of clinical skills acquisition, workshop presentation

This course involves intensive training in introductory counselling, interviewing and psychological intervention skills. The teaching

model employed consists of intensive workshops with high levels of student participation, and an integrated criterion skills approach. In each workshop, students will observe a therapeutic skill being modeled by experienced Clinical Psychologists. They will then discuss and practice this skill to a criterion of performance. Students will be required to demonstrate competency in each skill to pass the course. The course also gives in depth consideration to other issues of relevance to professional practice, such as professional ethics, the professional responsibilities of psychologists, and professional registration requirements.

PSYCHOL 7108

Psychological Assessment

- 2 units - semester 1
- 3 hours per week
- Eligibility: M.Psych.(Clin.) students, or permission of Head of Dept
- Assessment: 2 assignments based on practical exercises

This course aims to introduce students to the principles of assessment by focusing on a number of widely used norm-referenced psychological tests.

PSYCHOL 7109

Psychological and Health Aspects of Ageing

- 2 units - semester 2
- 3 hours per week
- Eligibility: M.Psych.(Clin.) students, or permission of Head of Dept
- Assessment: 2 assignments

This course examines psychological and health aspects of ageing. It covers normal/healthy ageing as well as providing an overview of research, assessment and intervention strategies in a number of areas of concern to clinical practice. Material is presented within a framework that emphasises the interplay between biological, psychological and social factors on aspects of functioning.

PSYCHOL 7110

Rehabilitation and Disability

- 2 units - semester 2
- 3 hours per week
- Eligibility: M.Psych.(Clin.) students, or permission of Head of Dept
- Assessment: assessment & training exercises, group projects on current issues in a particular type of disability covered in course

This course examines the historical development of concepts relevant to rehabilitation such as normalisation, deinstitutionalisation, least restrictive alternatives and quality of life. Research and current issues in the application of these concepts are discussed. Basic assessment, programming, training, behaviour management and evaluation techniques and procedures are introduced, together with exercises in their use. Similarities and differences between the rehabilitation of different kinds of disabilities are also examined.

PSYCHOL 7111

Master of Psychology (Clinical) Placement I

- 4 units - semester 1 or 2
- 18.5 hours per week
- Eligibility: M.Psych.(Clin.) students
- Prerequisite: PSYCHOL 7101 Adult Clinical Psychology, PSYCHOL 7107 Preparation for Psychological Practice I, PSYCHOL 7108 Psychological Assessment or equivalents
- Assessment: contract agreed to by field placement supervisor, student & university placement supervisor

Placements are arranged within approved agencies in South Australia, which reflect the requirements of the SA Psychological Board and the APS College of Clinical Psychologists. Students will be required to gain a broad experience of clinical psychology in such areas as the psychological assessment and management of children and adults with special needs due to a mental disorder, intellectual disability, acquired brain injury, or other health-related condition.

PSYCHOL 7112

Master of Psychology (Clinical) Placement II

- 4 units - semester 1 or 2
- 18.5 hours per week
- Eligibility: M.Psych.(Clin.) students
- Prerequisite: PSYCHOL 7107 Preparation for Psychological Practice 1, PSYCHOL 7108 Psychological Assessment or equivs
- Assessment: contract agreed to by field placement supervisor, student & university placement supervisor

Placements are arranged within approved agencies in South Australia which will reflect the requirements of the SA Psychological Board and the APS College of Clinical Psychologists. Students will be required to gain a broad experience of clinical psychology in such areas as the psychological assessment and management of children and adults with special needs due to a mental disorder, intellectual disability, acquired brain injury, or other health-related condition.

PSYCHOL 7113

Master of Psychology (Clinical) Placement III

- 4 units - semester 1 or 2
- 18.5 hours per week
- Eligibility: Master of Psychology (Clinical) students only
- Prerequisite: PSYCHOL 7107 Preparation for Psychological Practice 1, PSYCHOL 7108 Psychological Assessment or equiv.
- Assessment: contract agreed to by field placement supervisor, student & university placement supervisor

Placements are arranged within approved agencies in South Australia which will reflect the requirements of the SA Psychological Board and the APS College of Clinical Psychologists.

Students will be required to gain a broad experience of clinical psychology in such areas as the psychological assessment and management of children and adults with special needs due to a mental disorder, intellectual disability, acquired brain injury, or other health-related condition.

PSYCHOL 7114A/B
Research Project in Clinical Psychology

- 14 units - semester 1 & 2
- Contact hours to be arranged with supervisor
- Eligibility: M.Psych.(Clin.) students
- Prerequisite: PSYCHOL 7102 Applied Methodology or equiv, first year of M.Psych.(Clin.)
- Assessment: dissertation examined as per Academic Program Rule 3 of degree, students must complete Research Project in Clinical Psychology A/B to fulfil requirements of research project

This is an empirically-based research project on a topic of relevance to clinical psychology to be pursued under the guidance of one or more supervisors (at least one of whom shall be a member of the Psychology Department). The project should be structured so that the students participate in all of the steps involved in the research, including the formulation of the research question(s), the design of the study including the selection of appropriate methodology, the collection and analysis of data, the interpretation of the findings, and the preparation of the report.

PSYCHOL 7201
Applied Methodology and Statistics

- 2 units - semester 1
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: 2 written assignments, statistical exercise

This course will provide students with the knowledge to undertake qualitative, survey, quasi-experimental and experimental research in applied settings. Using numerous examples drawn from psychology, economics, and other allied disciplines, the course will provide a comprehensive coverage in survey methods, data-collection strategies, sampling theory, and specific parametric and non-parametric techniques ideal for analysis in human factors research.

PSYCHOL 7202
Applied Perceptual and Cognitive Psychology

- 2 units - semester 1
- 3 hours per week
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: 2 assignments

This course aims to examine models of human perception and cognition in their application to a variety of real-world problems. It is concerned with the measurement and understanding of perceptual and cognitive performance, the assessment and interpretation of confidence, and some properties and practical implications of theories of memory, learning and skill retention, problem solving, and human pattern recognition abilities. Throughout the course, emphasis will be given to applications, such as the measurement of perceptual thresholds, image recognition, target detection, the design of displays for the graphical representation of complex data, and the practical assessment of human cognitive capabilities.

PSYCHOL 7203
Consumer Psychology

- 2 units - semester 2
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: 2 written assignments

This course aims to consider the contribution of psychology to the study of economic behaviour. In the first part of the course, students will be introduced to the basic principles of micro-economic theory, including: normative decision-making theory; the laws of demand and supply; axioms of consumer behaviour; consumer surplus; risk-aversion and demand elasticities. The second part of the course will provide an overview of basic marketing principles and their applications. These theories and assumptions about human behaviour will be critically evaluated using psychological principles derived from several areas of psychology, including decision theory, learning theory and social psychology.

PSYCHOL 7204
Decision Making in Real Environments

- 2 units - semester 2
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: assignment

This course aims to examine models of human decision making in their application to a variety of real-world problems. It will develop an understanding of the way in which people make decisions in a variety of real-world situations. It will describe and critically evaluate a number of competing models of human decision making. Particular emphasis will be given to those models that consider the role that heuristics (rules-of-thumb) play in decision making, and to models that consider the way in which the environment guides decision making. Throughout the course, applications of the decision making models to real-world problems will highlighted, including examples drawn from the domains of fire-fighting, human-computer interaction, and military decision making.

PSYCHOL 7206

Human Factors/Ergonomics

- 2 units - semester 1
- 3 hours per week
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: 2 written assignments

This course aims to provide an understanding of major areas of human factors, such as physical and psychological capabilities and limitations, and how applying human factors can optimise performance in a range of situations. It addresses how technology and instructional and control systems can be shaped to benefit human performance and includes information on how the human body works, and how information is processed. Specific topics include the effects of ambient conditions, stimulus-response compatibility in a range of practical situations, human error, and accidents.

PSYCHOL 7207

Human Resource Management

- 2 units - semester 2
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: individual assignment, group assignment

This course examines how an organisation can maximise its returns from its workforce, and employees can maximise their returns from their work. It involves understanding all aspects of the management of people at work, including: planning, job analysis, recruitment and selection, training and development, performance management, remuneration and benefits, career development, and dealing with redundancies and retirement. The course will consider these issues as well as the implications of emerging organisational challenges for human resource management practices. These challenges include: the increasing use of contract staff and outsourcing; harnessing and sustaining organisational commitment; developing organisational cultures that are responsive to change; diversity in the workplace; harnessing innovation and knowledge management; globalisation of industry; and changing workplace practices.

PSYCHOL 7208

Individual & Organisational Change & Development

- 2 units - not offered in 2005
- 3 hours per week
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: 2 case studies 30% each, group exercise 40%

This course aims to provide knowledge of, and skills in using, behaviour management, skill training and adult learning techniques in organisations; an historical perspective on, and current issues concerning, change in organisations; knowledge of important factors associated with resistance to, and acceptance of, organisational change; an understanding of models of organisational change and the roles that organisational culture and leadership play in organisational change; and an understanding of organisational change processes, including planning, implementing and evaluation. Topics will include application of behaviour management and skill training principles in organisations; social skills training principles, practice and application; adult learning principles, practice and application; organisational change; organisational culture; and leadership.

PSYCHOL 7209

Organisational Behaviour and Management

- 2 units - semester 1
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: 3 assignments: 2 case studies 30% each, critical review 40%

This course aims to provide students with an understanding of the factors that impact upon the behaviour of the individual in the workplace and how these same factors can be used to structure a work environment and work experience that enhances both organisational and individual outcomes. It includes a consideration of values and attitudes, perception, motivation, and personality. It also analyses interpersonal influences that impact upon group behaviour in the work setting. Topics covered include communication, decision-making, constructing work teams, leadership, issues in power and politics, and conflict resolution. In addition, it examines the influence of broader, organisation-wide factors on behaviour in the workplace, with a specific focus on "person-organisation fit". Topics covered in this section will include organisational structure and work design, organisational culture and workplace stress.

PSYCHOL 7210

Professional and & Ethical Practice

- 2 units - semester 1
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: exercise in communication, exercise in interviewing

This course aims to familiarise students with the requirements of relevant professional and research organisations, and to make students aware of the values and thinking that underlie those requirements. It aims to develop students' sensitivity to ethical issues as these arise in the course of professional practice and research, and to develop appreciation of the complexity of problems that attend the practical application of ethical standards. The course will also briefly cover the topics of communication and interviewing.

PSYCHOL 7211

Psychological Assessment: Recruitment & Personnel Appraisal

- 2 units - semester 1
- 3 hours per week
- Eligibility: M.Psych.(Organisational & Hum. Factors) students, or permission of Head of Dept
- Assessment: 2 small, 1 large practical exercise

This course aims to introduce students to the principles of assessment by focussing on tests and procedures used in organisational settings. On completion of the course, students will be able to demonstrate an understanding of psychological assessment; an ability to score a test and draw inferences from the results in an hypothesis-generating and hypothesis testing framework appropriate to an organisational setting; and an ability to write a report of professional standard.

PSYCHOL 7221

Master of Psychology (Organisational & Human Factors) Placement I

- 4 units - semester 1 or 2
- contact hours to be arranged with supervisor
- Eligibility: M.Psych.(Organisational & Hum. Factors) students
- Prerequisite: PSYCHOL 7210 Professional and Ethical Practice
- Assessment: terms of contract agreed to by field placement supervisor, student & university placement supervisor

Placements are arranged within approved agencies in South Australia, to reflect the requirements of the SA Psychological Board and the Australian Psychological Society (APS) College of Organisational Psychologists. For further information, see the Program Handbook or the Psychology Department web site.

PSYCHOL 7222

Master of Psychology (Organisational & Human Factors) Placement II

- 4 units - semester 1 or 2
- Contact hours to be arranged with supervisor
- Eligibility: M.Psych.(Organisational & Hum.Factors) students
- Prerequisite: PSYCHOL 7210 Professional and Ethical Practice
- Assessment: terms of contract agreed to by field placement supervisor, student & university placement supervisor

Placements are arranged within approved agencies in South Australia, to reflect the requirements of the SA Psychological Board and the Australian Psychological Society (APS) College of Organisational Psychologists. For further information, see the Program Handbook or the Psychology Department web site.

PSYCHOL 7223

Master of Psychology (Organisational & Human Factors) Placement III

- 4 units - semester 1 or 2
- Contact hours to be arranged with supervisor
- Eligibility: M.Psych.(Organisational & Hum.Factors) students
- Prerequisite: PSYCHOL 7210 Professional and Ethical Practice
- Assessment: terms of contract agreed to by field placement supervisor, student & university placement supervisor

Placements are arranged within approved agencies in South Australia, to reflect the requirements of the SA Psychological Board and the Australian Psychological Society (APS) College of Organisational Psychologists. For further information, see the Program Handbook or the Psychology Department web site.

PSYCHOL 7225A/B

Master of Psychology (Organisational & Human Factors) Research Project

- 14 units - semester 1 & 2
- Contact hours to be arranged with supervisor
- Eligibility: M.Psych.(Organisational & Hum.Factors) students
- Prerequisite: PSYCHOL 7201 Applied Methodology and Statistics
- Assessment: dissertation examined as per Academic Program Rule 3 of degree - students must complete Research Project in Organisational & Human Factors A and B to fulfil requirements of research project

This is an empirically-based research project on a topic of relevance to Organisational Psychology or Human Factors, pursued under the guidance of one or more supervisors (at least one of whom shall be a member of the Psychology Department). The project should be structured so that students participate in all of the steps involved in the research, including the formulation of the research question(s), the design of the study including the selection of appropriate methodology, the collection and analysis of data, the interpretation of the findings, and preparation of the report in the form of a publishable article.

Public Health

PUB HLTH 7031HO

Occupational Hygiene and Ergonomics

- 3 units - semester 2
- Internal & external mode
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: written exam, exercises and assignments

This course is an introduction to practical occupational hygiene and ergonomics. There is broad coverage of chemical and physical hazards and of technologies for evaluation and control. Topics include their noise, vibration, thermal stress, shift work, biohazards and toxic chemicals. There will be discussion of exposure standards and the interpretation of hygiene data. There will also be an overview of ergonomics, including consideration of workstation and process design; displays and information systems; biomechanics; anthropometry; and psychological aspects.

PUB HLTH 7100HO

Foundations of Public Health

- 3 units - summer semester
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course aims to provide students with a basic understanding of the core concepts in public health. It will begin with an exploration of what is meant by health itself, and how the health of a population can be measured. Then the main types and experiences of disease in the Australian population (and elsewhere) will be considered. This will lead to an analysis of the multifactorial causation of ill health and premature death in populations. After that, the implications for health and related services will be investigated, with an emphasis on prevention and community participation. No prior specialist knowledge of public health will be assumed.

PUB HLTH 7101HO

Introduction to Epidemiology and Biostatistics

- 3 units - semester 1
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course deals with epidemiological and statistical concepts and terminology, basic analytic techniques and research designs. It does not aim to train specialist epidemiologists or biostatisticians; instead the purpose is to give those interested or working in public health an introduction to these disciplines. Some basic numeracy skills will be required.

By the end of the course, students should grasp basic concepts in epidemiology and statistics; have an understanding of quantitative research strategies; begin to critically assess literature in the public health domain which employs epidemiological and statistical methods; understand the uses that are made of epidemiological information in public health; understand the role of epidemiology in surveillance of the health status of populations; and appreciate the use of statistics in making decisions in the face of uncertainty.

PUB HLTH 7102HO

Public Health Policy

- 3 units - semester 1
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course aims to help students analyse the public health domain with skills formed by the traditions of sociology, politics and economic history. It aims to develop a critical, historically informed attitude toward the acquisition of knowledge and the evaluation of evidence about health institutions and their roles. Attention is also given to the broad social and political context in which health policy is formed and implemented, and to the value assumptions implicit in policy. This analytical approach is applied in a number of case studies of current issues in public health policy.

PUB HLTH 7103HO

Aboriginal Health Policy

- 3 units - semester 2 (mid-semester break)
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course offers students the opportunity to analyse current public policy affecting the health of Aboriginal Australians. It uses historical and political analysis, and comparative studies of other indigenous populations, to provide a context for reflection on current Aboriginal health status and health needs. The subject provides opportunities for students to explore a wide range of Aboriginal health programs and issues, through an intensive and multi-disciplinary teaching program and individual research.

PUB HLTH 7104HO

Biostatistics

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, MPH students
- Prerequisite: PUB HLTH 7101HO, Introduction to Epidemiology and Biostatistics at credit level or above
- Assessment: to be advised

This course is designed to suit students requiring a high degree of self-sufficiency in the collection, analysis and interpretation of data. The topics will include a selection from: survey sampling methods, non-parametric statistical methods, linear models, analysis of case-control studies, generalised linear models and poisson regression, and survival analysis.

A central feature of the course will be instruction in the use of statistical packages on computers. Emphasis will be placed on

data management and manipulation, practical application of statistical skills to real data sets and interpretation of results.

PUB HLTH 7105HO

Diseases of Occupation

- 3 units - semester 1
- Internal & external mode
- Available for Non-Award study
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: assignments

This course offers a broad introduction to occupational health and safety. It will address the relationships between work, work processes and work exposures, and the occurrence of disease and injury. The nature, extent and distribution of work-related death, disease and injury will be considered, with special emphasis on the Australian environment. An important aim is to encourage a critical attitude towards health and safety issues, so that students will learn to evaluate problems and formulate appropriate preventive measures on the basis of scientific principles. The elective includes some industrial visits.

PUB HLTH 7106HO

Epidemiological Research Methods

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, MPH students
- Prerequisite: 7101HO Introduction to Epidemiology and Biostatistics at credit level or above
- Assessment: to be advised

This course concentrates on conceptual and practical issues encountered by students in the design and implementation of epidemiological research. Students will be required to develop and present a research protocol for class discussion and critique a fellow student's protocol. Theoretical material as it relates to carrying out such research will include the definition and control of bias and confounding in observational studies, interaction, modern interpretations of case control studies, meta-analysis, clinical epidemiology, descriptive epidemiology, modern epidemiology theory and screening. Common pitfalls in epidemiological and statistical reasoning are examined, and attention is paid to research design, proposal writing, data presentation, and critical reading of the research literature. Students are introduced to electronic information resources in epidemiology (listservs, world wide web sites). The course is designed to present students with an up-to-date view of epidemiological research methods.

PUB HLTH 7107HO

Epidemiology of Infectious Diseases

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: presentation 50%, production of informative class handout 50%

The aim of this elective course is to provide a grounding in communicable disease epidemiology of use to students of public health. It assumes no prior specialist knowledge.

An ecosystem approach will be taken to the course. Thus a concentration on sick humans and aspects of their disease is inappropriate. The students will be urged to view infectious disease as a visible manifestation of an ecological problem and to dissect out the agent, host and environmental factors that lead to such phenomena. Such an approach in turn is the basis for the design of feasible public health interventions.

PUB HLTH 7108HO

Ethical Issues in Public Health

- 3 units - semester 1 (mid semester break)

The course consists of two sections, the first is devoted to an examination of the bases for ethical argument in a pluralist society; the moral foundations of public policy; and the meaning of the concepts of persons, society, nature and risk. The second section includes a critique of the ethical implications of the public health movement and of particular policies. This second part attends to matters such as environmentalism, ethical dilemmas in primary care, occupational health and health promotion, and ethical problems in epidemiology.

PUB HLTH 7109HO

Health Promotion

- 3 units - semester 1
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

By focusing on the processes that help communities and individuals maintain and improve wellbeing, this course helps students understand the holistic nature of health promotion, of which disease prevention is but one of several components. The course consists of three sections. The first defines the concept, framework and scope of health promotion. The second discusses theories underpinning the practice of health promotion in the areas of community development, behaviour change, healthy public policy, environmental improvement, and reorientation of health care services. The third illustrates the application of health promotion strategies to specific groups, and points to the relevance of site-specific interventions.

PUB HLTH 7110HO

Health Resource Allocation

- 3 units - semester 1

This course introduces basic concepts and practical issues faced by decision makers at all levels in the health system in allocating scarce resources between competing programs and between different consumer groups. The focus is on the respective claims of economic efficiency and social justice. There are two strands: firstly, a consideration of how better allocation might be identified and measured; and secondly an examination of models of health system organization which are claimed to better achieve economic efficiency and social justice. There is an introduction to the techniques of economic appraisal applied to health interventions, with an emphasis on cost-effectiveness and cost-utility analysis; and to the measurement of need and of access. There is also an introduction to the price mechanism in the market, and its strengths and limitations in the production and consumption of health services. Incentives operating variously under market and non-market mechanisms in the provision of health care are explored.

PUB HLTH 7111HO

Industrial Toxicology

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course reviews concepts in chemical toxicology which constitute a rational basis for the setting of chemical exposure standards. It includes an overview of the principles of toxicology; biological processes such as toxicant absorption, distribution, metabolism and excretion; the use of toxicity tests and other data to characterise a chemical's toxic effects with specific emphasis on carcinogenicity, mutagenicity, neurotoxicity and developmental toxicity; and the problem of estimating risk.

PUB HLTH 7113HO

Environmental and Occupational Health

- 3 units - semester 1
- External mode - Internal mode depending on numbers
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course will introduce the stalwarts of environmental health, namely water quality and its pollution, food quality and air quality. There will also be some consideration of an important contemporary concern in environmental health: the pressures of rising population numbers and the ecological consequences of trying to ensure adequate food supplies. In the context of ambient and occupational exposure, we will examine occupational cancers and radiation. There will be some consideration of how the changes in human ecology influence the emergence of new infectious diseases and the re-emergence of old diseases. Local environmental health issues will be considered as examples of global environmental health problems.

The course will include consideration of occupational diseases. Exposure to some environmental factors causing disease is sometimes most intense in workplaces. For example, asbestos exposure is heaviest in people who mine asbestos, and those who manufacture, use and remove asbestos-containing materials. A study of the relationship between occupational exposure and disease is therefore important in understanding the factors causing disease in the general environment.

PUB HLTH 7114HO

National Short Course Environmental Health

- 3 units - semester 2
- Intensive course - 5 days in December
- Eligibility: Grad Cert, Grad Dip, M.OH &S students
- Assessment: to be advised

The course will focus primarily on the process of identifying, quantifying, evaluating and managing the health effects of population exposures to various environmental contaminants and other factors. 'Risk' will provide the framework, including hazard identification, risk assessment, risk management and risk communication. To address the potential hazards of ambient environmental exposures, various public health disciplines are needed: epidemiology to help identify hazards and quantify risk; toxicology to provide collaborative quantitative experiment data on biological effects of hazardous agents and understand the toxic process; environmental sciences to measure exposure; and various policy analysis-related disciplines (eg. environmental law, sociology, health economics) to appraise and manage risk. The course will illustrate the role of these disciplines in the investigation and management of environmental health problems. Viewed broadly, the study of environmental health encompasses urban design, transport noise management, and traditional public health issues in relation to human populations. It also encompasses macro problems such as climate change, ozone depletion and land degradation. These 'macro' topics will be briefly addressed but not systematically developed. As a result of attending this course, students will a) understand selected relationships between the environment and human health and b) be able to apply this information to develop risk assessment and risk management strategies.

PUB HLTH 7115HO

Public Health Law

- 3 units - semester 1

This course covers the major elements of public health law, the general theories about law and its development in contexts that are important for public health. It provides There will be a detailed analysis of the law relating to the main areas of public health practice, including disease control, environmental health, occupational health, epidemiology, public health litigation and

legislation, drug and alcohol controls and health promotion. Current issues in public policy, such as competition policy reform and privatisation are also considered.

PUB HLTH 7117HO
Public Health Policy and Ageing

- 3 units - not available 2005
- 30-hour intensive course
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: case presentation, approx. four weeks after course

This is not a course about how to run aged care agencies but does ask what are the implications for public health of an ageing population in Australia. It presumes that public health is about general patterns of health and disease and about methods for maintaining health in the face of ageing and disease. It inspects current answers to those questions about demography, epidemiology and biology and it suggests that political and policy questions, about how we conduct ourselves as carers for/workers with/fellow citizens of ageing Australians, need careful responses, as well.

PUB HLTH 7118HO
Public Health Studies

- 3 units - semester 1 or 2
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course, which is offered in response to specific requests, enables students to develop an individualised reading course with an academic staff member in a field of significant public interest. It is not a specific preparation for thesis work. The details of the course are arranged by negotiation between individual students and appropriate teachers within the department, although cooperative arrangements may be organised with other departments or public health agencies. A written plan of study will be developed in consultation with a staff member, including the criteria for formal assessment which may include a seminar presentation. This plan should be submitted to the Convenor of the Board of Studies.

PUB HLTH 7119HO
MPH Dissertation (Full-Time)

- 12 units - semester 1 or 2
- Eligibility: MPH students
- Prerequisite: completion of MPH coursework
- Assessment: dissertation

The dissertation is the final requirement of the MPH and should therefore reflect what the student has learned from the core and elective course work of the degree program. Unless exempted by the Board of Studies*, the dissertation will take the form of a paper suitable for submission to an appropriate peer reviewed journal. The content of this paper must reflect the research topic. The successful completion of this paper fulfils the requirements for a dissertation.

PUB HLTH 7120HO
MPH Dissertation (Part-Time)

- 6 units - semester 1 or 2
- Eligibility: MPH students
- Prerequisite: completion of MPH coursework
- Assessment: dissertation

The dissertation is the final requirement of the MPH and should therefore reflect what the student has learned from the core and elective course work of the degree program. Unless exempted by the Board of Studies*, the dissertation will take the form of a paper suitable for submission to an appropriate peer reviewed journal. The content of this paper must reflect the research topic. The successful completion of this paper fulfils the requirements for a dissertation.

* exemptions will be rare but may be necessary in some circumstances to avoid significant disadvantage to a particular student.

PUB HLTH 7123HO
Rural Public Health

- 3 units - semester 2 (July mid-year break)
- one week intensive course in Whyalla
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: assignments, tutorial & workshop participation

This course is taught by a multi-disciplinary team undertaking research on rural and remote health. It builds on the knowledge and skills gained in previous public health subjects to: examine patterns of morbidity and mortality in rural and remote areas, explore and analyse the determinants of health and illness in such settings, understand issues related to service provision and utilization in rural and remote locations, and analyse how regional health and other service providers apply State and Federal health policy in local settings. Specific topics include: rural health policy, rural health care planning, understanding the strengths and weaknesses of geographical classification systems, examining the concept of 'community' in understanding rural health, primary health care in non-metropolitan settings, Indigenous health, and issues in providing appropriate and accessible services.

PUB HLTH 7124HO
Population Health for Clinicians A

- 3 units - semester 1 or 2
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course is designed to engage general medical practitioners and other health workers in population health issues and to

encourage them to apply population health insights, skills and tools to their clinical practice. The course is currently available through paper-based distance education methods and also by online delivery on the World Wide Web, and may be made available on-campus. Students may select any two modules from: cardiovascular disease, cancer, chronic and complex diseases, diabetes, health promoting medical practices, or mental health.

PUB HLTH 7125HO
Population Health for Clinicians B

- 3 units - semester 1 or 2
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: to be advised

This course has similar aims and modes of delivery to those of Population Health for Clinicians A. Subject to the approval of the program coordinator, students may select a further two modules from the list for that course. Current issues in public policy, such as competition policy reform and privatisation are also considered.

PUB HLTH 7126HO
Qualitative Research in Practice

- 3 units - semester 2
- Eligibility: Grad Cert, Grad Dip, MPH students
- Assessment: may include tutorial presentations, group projects, essay, critical review of published research

Qualitative research is central to current public health practice. This applied course will provide students with an introduction to the theory and process of qualitative research methods. Students will develop the skills to recognise and reflect on the strengths and limitations of different research methodologies, understand the links between theory and practice, critically assess research, and address ethical and practical issues. The course takes a step-by-step approach to the design and implementation of qualitative research and includes: formulating a research question; writing research and ethics proposals; conducting interviews, participant observation, focus groups, textual and media analysis; managing data (computer assisted); analysing data; and writing and presenting findings.

PUB HLTH 7142HO
OHS Research Thesis

- 12 units- semester 1 or 2
- Eligibility: Grad Dip, M. OH &S students
- Prerequisite: PUB HLTH 7139HO OHS Research Methods
- Assessment: thesis

The thesis should constitute a piece of original research, aiming to test a hypothesis, or to analyse a proposition or concept. This may entail collection of original information, or fresh examination of information collected previously for some other purpose. It should include a thorough literature review, an appropriate methodology, and display a critical approach to the topic. The implications for future research and/or OHS policy should be discussed. A regular series of seminars will be held, at which students will present their research plans and/or progress.

PUB HLTH 7146HO
An Anthropological Lens on Public Health

- 3 units - semester 2, intensive

This course provides an introduction to the unique contribution that anthropology makes to public health issues and debates. It provides students and professionals in population and clinical health fields with an understanding of how culture is fundamentally related to concepts of health and illness, health-seeking behaviour and health promotion. The course adopts a distinctive anthropological approach to exploring and communicating the various impacts of culture on public health problems, policies and programs. Through a series of seminars, lectures and workshops, participants will develop the skills to apply anthropological theories and methods to public health contexts.

PUB HLTH 7147HO
Health Technology Assessment

- 3 units - summer semester
- Assumed Knowledge: PUB HLTH 7101HO Introduction to Epidemiology and Biostatistics
- Assessment: participation in tutorials & practicals 20%, 1000 word minor assignment 30%, 3000 word major assignment 50% - attendance at all sessions is a prerequisite for passing this course

This course will take a broad view of the impact of health technologies such as medical procedures, medical devices, pharmaceuticals and public health interventions on population and individual health. Emphasis will be placed on methods for the systematic review of safety, effectiveness and economic efficiency; and on the implementation of the findings of health technology assessment into clinical and public health practice. Attention will also be given to the diffusion of technological innovations within their social, cultural and ethical context; to horizon scanning; to the structure of the international health technology industries; and to the operation of health technology regulatory mechanisms.

Soil and Water

SOIL&WAT 7002WT

Soil Management and Conservation

- 3 units - semester 1
- 2 lectures, 4 hours practical work (or equiv.) a week
- Prerequisite: SOIL&WAT 2005WT Soil Resources
- Assessment: exam, practical reports, other assignments

This course covers topics important to students of agriculture, horticulture, environmental science and natural resource management. Degradative processes which pose the greatest threats to the soil resources of Australia are examined and their avoidance, management and amelioration are discussed. These processes include: erosion of soil by water and wind, water repellence, irrigation and dryland salinity, induced soil acidity, soil structure decline and sodicity. Other issues addressed are soil conservation legislation and land capability. Practical work will consist of laboratory exercises, field excursions and other exercises related to the above topics.

SOIL&WAT 7003WT

Topics in Soil and Land Systems

- 3 units - semester 1 or 2
- 24 lectures or equivalent; associated practical work
- Prerequisite: appropriate degree in Science, Agricultural Science or Environmental Science
- Assessment: to be advised

This course may be offered from time to time as a means of examining current topics in soil science, soil management and land evaluation that are related to the research and teaching interests of staff and visiting scientists. Candidates should consult the Head of the Discipline for topics currently available.

SOIL&WAT 7005WT

Environmental Toxicology and Remediation

- 3 units - summer semester
- Prerequisite: credit or higher in PLANT SC 1001RW Chemistry and Introductory Biochemistry A or a pass in CHEM 1000A/B Chemistry I or CHEM 1001A/B Chemistry IANR OR equivalent
- Restriction: SOIL&WAT 3004WT Environmental Toxicology (4234)
- Assessment: theory, practicals/assignments

The goals of this course are to provide students with an understanding of the monitoring, fate and risk assessment of contaminants in environmental and biological systems. Classes of contaminants discussed include heavy metals, pesticides, and other water-, soil- and food-borne toxicants. The properties of contaminants which influence their environmental distribution and transformations and the characteristics of the environment which influence contaminant toxicity to organisms are discussed. Students are introduced to the principles of toxicology necessary for an understanding of the environmental consequences of contaminants.

SOIL&WAT 7007WT

GIS for Environmental Management

- 3 units - summer semester
- 10 days during the summer vacation
- Assumed Knowledge: basic computing skills in the Windows environment
- Restriction: SOIL&WAT 3014WT GIS for Agricultural Sciences
- Assessment: practical exercises, case study, written exam

The course deals with concepts and theory of geographic information systems and their use for environmental mapping, spatial modelling and analysis. Topics covered include the relationship of GIS models to real world perception and map representation, vector and raster systems; spatial modelling; translation of problems into GIS procedures; attribute manipulation and recoding, operations including arithmetic and Boolean overlay, reclassification, proximity and neighbourhood analyses; input of data to GIS; database structures; interpolation of surfaces form point and vector data; applications and case studies. Practical work uses PC-based software to teach basic skills in GIS data entry, analysis and output, emphasising a problem-solving approach through environmental and agricultural GIS case studies.

SOIL&WAT 7008WT

Remote Sensing for Environmental and Agricultural Science

- 3 units - not offered in 2005
- 10 days during summer vacation
- Assumed Knowledge: basic computing skills in Windows environment
- Restriction: GEOLOGY 3010 Remote Sensing (S)
- Assessment: practical exercises; written exam

The course deals with use of satellite and airborne imagery for environmental and agricultural applications such as land mapping, site evaluation and monitoring degradation and change. Topics include the interaction of electromagnetic radiation with the earth's surface, spectral characteristics of earth surface materials, the nature of imagery collected by a variety of current earth-observation sensors, the use of this imagery for detecting, mapping and monitoring environmental features, collection of field data to interpret imagery, integration of remote sensing and geographic information systems (GIS) for environmental monitoring and modelling, and specialised forms of imagery such as radar, thermal, airborne video and digital photography. Practicals use computer-based image analysis software to enhance and interpret digital images, produce thematic maps, analyse change over time and combine images and map data. Field-based practicals include

the use of spectroradiometers for collecting reflectance data about land cover.

SOIL&WAT 7020WT
Soil Water Management

- 3 units - semester 2
- 2 lectures, 4 hours practical work (or equivalent) per week
- Prerequisite: SOIL&WAT 2005WT Soil Resources
- Assessment: exam, tutorials, practical reports

This course covers the theory and practice of measuring and managing soil water using commercially available technology. Topics include soil water content and potential, water availability to plants, water movement in unsaturated and saturated soils, soil structure and salt-affected soils. Computers will be used to model infiltration, storage and movement of soil water, and to solve problems. Practical classes will demonstrate important techniques in soil survey for managing soil water in dryland and irrigated situations.

SOIL&WAT 7022WT
Topics in Soil and Land Systems B

- 2 units - semester 1 or 2
- 12 lectures or equiv, associated practical work - may be presented as intensive short course
- Prerequisite: appropriate degree in Science, Agricultural Science, Environmental Science or equivalent

This course may be offered from time to time as a means of examining current topics in soil and water management and conservation and land evaluation that are related to the research interests of staff and visiting scientists. Candidates should consult the Head of Discipline for topics currently available.

SOIL&WAT 7024WT
Soil Ecology and Nutrient Cycling

- 3 units - semester 1
- 2 lectures, 4 hours practical work (or equivalent) a week
- Prerequisite: SOIL&WAT 2005WT Soil Resources or SOIL&WAT 1000RW Soils, and Land Management Systems II
- Assessment: exam, practical reports, presentation of case studies

The course will provide students with a comprehensive view of ecological interactions in soils. It deals with the interactions between plants, soil and soil organisms, the roles played by soil organisms in decomposition of organic material, nutrient cycling (C, N, P) and stability of agricultural and natural ecosystems. Other topics include food webs, the importance of soil organisms for soil fertility, mycorrhizas and their effects on plant productivity and plant communities, bio-control and bioremediation, root growth and the biology of the rhizosphere.

SOIL&WAT 7025WT
GIS for Agricultural Sciences

- 3 units - semester 2
- Assumed Knowledge: basic computing skills in the Windows environment
- Restriction: SOIL&WAT 3007WT GIS for Environmental Management; SOIL&WAT 3014WT GIS for Agricultural Sciences
- Assessment: case study; practical assessments; written exam

Geographic information systems have become an important tool far beyond the geographic disciplines. Applications in the agricultural sciences range from simple cartographic tools to precision fertilizer applications and growth models. This course gives an overview of the history and the rapid recent development of this technology and gives examples of commercially available state-of-the-art equipment. Hands on computer exercises involve data capture, processing and presentation of results. Special emphasis is placed on precision agriculture and the optimal and timely treatment of spatial variability in agricultural production systems. Students will learn what can be seen from space and airborne remote sensing and how this information can be combined with other sources of information in order to minimise effort and optimise production.

Spatial Information Systems

GISC 5001
Advanced Raster Analysis

- 3 units - semester 2
- 35 contact hours
- Eligibility: postgraduate Spatial Information Science students
- Prerequisite: Introduction to Spatial Information Systems; Spatial Data Modelling and Analysis
- Assessment: project 50%, exam 50%

This unit carries on from the work commenced in Spatial Data Modelling and Analysis and extends into advanced remote sensing and image processing. Topics covered in lectures and practicals include: current hyperspectral sensors such as CASI and HYMAP and hyperspectral image analysis techniques; theory and operation of RADAR systems and the interpretation and processing of RADAR images; the theory of thermal imaging through sensors such as Landsat, NOAA and airborne imagery. Other topics include radiometric image correction and the calibration of radiance to reflectance; interpretation and use of spectral libraries; mapping sub-pixel components including spectral mixture analysis, spectral angle mapping and spectral feature fitting; fusion of RADAR and optical imagery.

GISC 5008

Introduction to Spatial Data Models

- 3 units - semester 1
- 35 contact hours
- Eligibility: postgraduate Spatial Information Science students
- Prerequisite: Introduction to Spatial Information Systems
- Assessment: seminar 30%, project 40%, exam 30%

Having established a solid foundation in spatial information science and the use of spatial information systems, this course both consolidates and broadens considerably the theoretical basis and practical implementation of these systems. Some of the different types and sources of error and how they can affect a GIS analysis are outlined and some of the methods by which error is minimised and corrected are discussed. Significant attention is devoted in this course to finding the data you need, documenting data and metadata standards. The course then begins a strong focus on the raster data model and raster analysis including map algebra. Advanced applications of both vector and raster GIS are discussed including landscape habitat analysis, environmental and ecological modelling, spatial epidemiology, crime analysis, and quantifying accessibility and remoteness to services.

Practical sessions introduce different data models used in the analysis of spatial information such as rasters, geometric networks and the object-oriented geodatabase model. Practicals then move through topological editing and network analysis, vector-raster conversion, raster data management, analysis and finally, spatial process modelling based on land suitability and fire risk analysis.

GISC 5009

GISC 5009NA

Introduction to Spatial Information Systems

- 3 units - semester 1(subject to availability in Ngee Ann)
- 35 contact hours
- Eligibility: postgraduate Spatial Information Science students or postgraduate International Environmental Management students
- Assessment: essay 20%, project 40%, exam 40%

The course introduces the basic concepts of spatial information science and spatial information systems as integrative disciplines and technologies. The major technologies for dealing with spatial information - Geographic Information Systems (GIS), remote sensing and Global Positioning Systems (GPS) are also introduced. Issues associated with inputting, storing, manipulating, modelling and visualising spatial data, and some of the problems likely to be encountered, will be discussed. This course examines the two dominant models for dealing with spatial data - the raster and vector models, then focuses on vector spatial analysis techniques. Conceptual linkages between the real world and the digital objects in a spatial database will be made and the principles and applications of relational database management systems will be discussed within the context of GIS.

GISC 5011

Research Project in Spatial Information Science

- 6 units - semester 1 or 2
- 10 hours workshops
- Eligibility: postgraduate Spatial Information Science students
- Assessment: seminar 20%, project 80%

The Research Project within the Graduate Diploma or Masters in Spatial Information Science provides students with the opportunity to investigate, for one semester half time, a specific application of spatial information science. The Research Project offers students research experience and an opportunity to delve more deeply into a research area of their choice. Topics may be chosen from a range of possible projects nominated by GISCA staff, Government or private agencies, or the student.

GISC 5012

Social Applications in Geographical Info Systems

- 3 units - semester 2
- 35 contact hours
- Eligibility: postgraduate Spatial Information Science students
- Prerequisite: Introduction to Spatial Information Systems
- Assessment: essay 30%, project 40%, exam 30%

There are an increasing number of large complex digital data sets of relevance to social scientists working in an academic, government or commercial environment. Because of their complex derivation and nature, these data sets require a high level of skill and a detailed level of knowledge to be used intelligently. The aim of this course is to provide these skills and knowledge.

This course covers the following three areas: social science data sets e.g. the various Census data sets (01), the Cadastral database for South Australia (DCDB), Medical data, crime data, and community services data; identify the limitations and problems associated with using these datasets; and the different analysis tools available to the social scientist. The practical component provides an opportunity to work with data and examine issues in population and demography, law enforcement, health, community services and accessibility modelling.

GISC 5013

Spatial Data Modelling and Analysis

- 3 units - semester 1
- 35 contact hours
- Eligibility: postgraduate Spatial Information Science students
- Prerequisite: Introduction to Spatial Information Systems
- Assessment: essay 20%, project 40%, exam 40%

Over the last 30 years more and more Earth-observing platforms have been flown and an increasingly large amount of digital imagery has become available. This information has been remotely

sensed from a variety of airborne and satellite-based sensors and has included both passive (e.g. Landsat, CASI hyperspectral) and active (e.g. RADAR, LIDAR) sensors. A wide range of image processing techniques are used to search, and refine large amounts of data to produce timely, relevant information. This module provides a broad introduction to remote sensing and image processing including topics such as: the development of remote sensing to the present day; the division between visual interpretation and computer assisted interpretation of raster images; computer enhancements of image data; radiometric rectification and spectral transformations of remotely sensed image data; unsupervised and supervised classification of image data; analysis of error and sensitivity.

GISC 5014
Spatial Data Visualisation

- 3 units - semester 1
- 35 contact hours
- Eligibility: postgraduate Spatial Information Science students
- Prerequisite: Introduction to Spatial Information Systems, Introduction to Spatial Data Models
- Assessment: web site 20%, project 40%, exam 40%

An introduction to deterministic and geostatistical interpolation of surfaces from point data. Students will gain an understanding of the types of surface interpolators available, the characteristics of each and how to choose the most appropriate interpolator. Surface interpolation will progress through topographic surface interpolation using triangulated irregular networks (TINs) and rasters, creating Digital Elevation Models and modelling surface hydrology. Advanced spatial process modelling, simulation and cellular automata will also be introduced. 3D and 4D spatial and spatio-temporal data models and analysis will be covered and multidimensional analysis and visualisation techniques will be greatly extended. The course also covers cartographic practice and how to optimise the communication of spatial knowledge to people. Spatial data visualisation techniques will be discussed in the context of new technologies including multimedia, the WWW and virtual reality. Web-based distribution of spatial data and the integration of Internet and GIS technologies is a focus area. Issues of spatial cognition and how to build the most effective Graphical Uder Interfaces for GIS is also discussed. Practical sessions implement the above concepts with real applications and real data. Sessions will include surface building with deterministic and geostatistical techniques, digital elevation, hydrological and erosion modelling. Students then create their own web pages.

GISC 5501
Dissertation in Spatial Information Science F/T

- 12 units - semester 1 or 2
- 10 hours workshops
- Eligibility: Master of Spatial Information Science students
- Assessment: seminar 20%, thesis 80%

The Dissertation in SIS subjects within the Masters degree in Spatial Information Science provide students with the opportunity to investigate, for one semester full time (or equivalent), a specific application of spatial information science. Topics may be chosen from a range of possible projects nominated by GISCA staff, Government or private agencies, or the student.

GISC 5502A/B
Dissertation Spatial Information Science P/T

- 12 units - full year
- 10 hours workshops
- Eligibility: Master of Spatial Information Science students
- Assessment: seminar 20%, thesis 80%

The Dissertation in SIS subjects within the Masters degree in Spatial Information Science provide students with the opportunity to investigate, for two semesters, a specific application of spatial information science. Topics may be chosen from a range of possible projects nominated by GISCA staff, Government or private agencies, or the student.

Statistics

STATS 5000
Descriptive Statistics and Probability

- 2 units - not offered in 2005
- 2 hour lecture, 1 hour discussion/workshop session, 1 hour computer laboratory per week for 8 weeks
- Assessment: 2 assignments each 20%, 2 hour exam 60%

Looking at Data: stemplots, histograms, density curves, bar graphs, sample means, sample standard deviations, summary statistics based on the ordered data, 5 number summaries, boxplots. Exploring Relationships: two categorical variables, quantitative vs categorical, two quantitative variables, time as a variable, scatterplots, correlation, hidden variables, causation and spurious correlations. Producing Data: Different types of data collection - designed experiments, observational studies, sampling. Designed experiments: bias, control, randomisation, replication, blocking. Populations and samples, simple random sampling. Probability: the frequency interpretation, sample spaces, events, probability axioms, conditional probability, the law of total probability. Random variables: discrete random variables and probability functions, continuous random variables and the probability density function, means and variances,

linear transformations. The relationship of the mean to the sample mean. The law of large numbers. Probability Distributions: the binomial distribution, the normal distribution, normal quantile plots, the normal approximation to the binomial distribution, sums of independent random variables, the central limit theorem.

STATS 5001

Statistical Inference and Regression

- 2 units - not offered in 2005
- 2 hour lecture, 1 hour discussion/workshop session, 1 hour computer laboratory per week for 8 weeks
- Assessment: 2 assignments each 20%, 2 hour exam 60%

Statistical Inference: inference for a single sample, point estimates, confidence intervals, tests of hypotheses, test statistics and P-values, sample size calculations. Z-test and t-tests. Inference for two samples: paired and unpaired designs. Regression: the linear regression model, the method of least squares, the least squares line, estimation of s2, inference for regression of coefficients, R2, confidence and prediction intervals. Model checking, the residual plot, the normal quantile plot, outliers in regression, transformations. Multiple regression: the multiple regression model, least squares estimates, interpretation of regression coefficients, multiple R, t-tests and F-tests, multicollinearity, confidence and prediction intervals, model checking. Inference for Proportions: a single proportion, comparison of two proportions, 2 x 2 tables, r x s tables, chi-squared tests. Non-parametric Statistics: when to use non-parametric procedures, the runs test, the sign test, the Wilicoxon mathced-pairs signed-ranks test, the Mann-Whitney U test, the Kruskal-Wallis test.

STATS 5002

Time Series and Survey Sampling Methods

- 2 units - not offered in 2005
- 2 hour lecture, 1 hour discussion/workshop session, 1 hour computer laboratory per week for 8 weeks
- Assessment: 2 assignments each 20%, 2 hour exam 60%

Time series analysis: plotting time series, stationarity, trends, seasonal effects, cycles, jumps in time series. Time series models: Auto-correlation, first order auto-regressive processes for forecasting using multiple regression. Transformations. Exponentially weighted moving average models for forecasting. Quality improvement in business: Definitions of quality assurance and quality improvement. Flow diagrams, cause and effect diagrams, Pareto charts. Stability of processes. Monitoring processes, uses and abuses of performance indicators. Deming cycle. Quality control in business: Shewhart mean and range charts, charts for counts and proportions, CUSUM charts, moving average charts, in the context of service industries. Sample surveys- Sampling Strategies: Populations and samples, simple random samples, stratified sampling, cluster and multi-stage sampling, quota sampling, systematic sampling, role of sample size. Sample assessment of likely non-response bias. Sample surveys - case studies.

STATS 5003A/B

Project (Prof Certificate in Statistics)

- 1 unit - not offered in 2005
- Assessment: project proposal 10%, oral presentation 20%, written report 70%

As part of the assessment participants will also work in small groups on a project throughout the duration of the program. This project is intended to be a substantial investigation that takes the participants through the stages of planning, drafting a proposal, obtaining and analysing the data and producing a final report and presentation.

STATS 6001

Statistical Modelling III

- 3 units - semester I
- 5 lectures, 1 hour tutorial or practical every 2 week
- Available for Non Award study
- Prerequisite: MATHS 10012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); One of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: statistical background such as in any 2 of Level II Statistics courses
- Assessment: 2 hour exam, class exercises, practicals

This course aims to provide students with further fundamental work on modelling in statistics. The linear model. Least squares estimation: geometry of least squares, orthogonal projection, properties of estimators. Regression. Large sample approximation. Transformations, model selection, diagnostics, nonlinear regression, Introduction to generalised linear models; loglinear models.

STATS 6002

Introduction to Mathematical Statistics II

- 2 units - semester I
- 2 lectures per week, I tutorial every fortnight
- Available for Non-Award study
- Prerequisite: MATHS 1012Mathematics IB (Pass Div I), or MATHS 2004 Mathematics IIM (Pass Div I) or corequisite MATHS 2004 Mathematics IIM.
- Assessment: 2 hour exam, assignments exercises

This course provides the mathematical foundations of modern statistical inference and its applications. Topics covered include probability, sample spaces, events, equally likely outcomes; chance odds and odds ratios; relative frequency and Bayesian inter-pretations of probability; conditional probability and independence;

sequences of events; Bayes' Rule and Bayes' Odds. Discrete random variables: expected values, expectations of functions of random variables; the Bernoulli and geometric distributions; the binomial and hypergeometric distributions; normal approximation to the binomial; the Poisson distribution; moment generating functions; Markov's Inequality and Tchebyshev's Inequality. Continuous random variables: the cumulative distribution and probability density functions; the uniform, normal and Cauchy distributions; the exponential distribution, hazard and survival functions; Poisson processes; Gamma and chi-square distributions. Bivariate and multivariate distributions for discrete and continuous random variables; marginal and conditional distributions; independence; covariance and correlation; moments for linear combinations of random variables; the multinomial distribution. Three different methods for finding the distribution of a function of random variables: distribution functions, transformations, and moment generating functions.

There is a textbook for this course.

STATS 6003

Statistical Practice II

- 2 units semester 1
- 2 lectures, 1 hour tutorial or practical, every week
- Available for Non Award study
- Prerequisite: one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice I (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability .and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)*
- Assumed Knowledge: either MATHS 1007A/B Mathematics I or MATHS 1000A/B Mathematics IM or MATHS 1001 Mathematics IH
- Assessment: 2 hour exam, assignments, project work

This course is an extension of Statistical Practice I, providing a broader and deeper understanding of the application of statistical methods to data. Topics covered include randomisation, blocking and the design and analysis of experiments; analysis of variance; elementary factorial designs; linear and multiple regression, regression diagnostics, the analysis of residuals; the design and analysis of surveys, simple random sampling, the analysis of frequency data; power; elementary distribution-free methods such as the sign test and rank tests.

* In exceptional circumstances, on approval of the Faculty and Course Coordinator, 9101 Business Data Analysis will be accepted

STATS 6005

Time Series III

- 3 units - semester 2
- 2 lectures, 1 hour tutorial or practical, every week
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: a statistical background as in any 2 of Level II Statistics courses
- Assessment: 2 hour exam, assignments

A time series consists of values of a variable recorded at regular intervals over a long period of time. Such data arise frequently in econometrics, finance, engineering, medicine, sociology and environmetrics, and require special methods for analysis because neighbouring observations are correlated. This course provides an introduction to time series analysis and topics covered include descriptive methods of analysis: plots, smoothing, differencing, the autocorrelation function, the correlogram and the variogram; the periodogram; estimation and elimination of trend and seasonal components. Stationary processes, modelling and forecasting with autoregressive moving average (ARMA) models. Spectral analysis: the fast Fourier transform, periodogram averages and other smooth estimates of the spectrum; time-invariant linear filters. Non-stationary and seasonal time series models; ARIMA processes: identification, estimation and diagnostic checking; forecasting, including extrapolation of polynomial trends, exponential smoothing, and the Box-Jenkins approach.

STATS 6006

Mathematical Statistics III

- 3 units - semester 1
- Available for Non Award study
- 5 lectures, 1 hour tutorial every two weeks
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: STATS 2011 Statistical Theory and Modelling II
- Assessment: 3 hour exam, class exercises, practicals, project work

This course aims to provide students with fundamental distribution theory together with the underlying basics in statistical inference. It forms the basis upon which the remaining courses are built. Calculus of distributions. Moments and cumulants. Moment generating functions. Multivariate distributions: Marginal and conditional distributions, Conditional expectation and variance operators, Change of variable, multivariate normal distribution, Exact distributions arising in Statistics. Convergence results: weak convergence, convergence in distribution, Central Limit Theorem. Statistical Inference. Likelihood, score and information. Estimation and properties of estimators: sufficiency, efficiency, consistency, maximum likelihood estimators, large sample properties. Tests of hypotheses: likelihood ratio, score and Wald tests, large sample properties.

STATS 6008

Biostatistics III

- 3 units - not offered in 2005
- 2 lectures per per week, 1 hour tutorial or practical every 3 weeks
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses
- Assessment: 2 hour exam, assignments

This course provides students with fundamental knowledge of the design and analysis of clinical trials and epidemiological studies, and important methods for the analysis of biostatistical data. Topics covered include the role of randomization and ethical considerations; Phase I to Phase IV trials; the Data and Safety Monitoring Board; methods of randomization: unrestricted and restricted randomization, random permuted blocks, biased coin designs, stratification, minimization; trial size: fixed, sequential and group sequential trials; factorial trials, crossover trials and equivalence trials. Epidemiology: cohort, case-control and related epidemiological studies; models for disease association: relative risk, odds ratio, attributable risk. Diagnostic tests and screening; meta-analysis; survival analysis.

STATS 6010

Experimental Design III

- 3 units - not offered in 2005
- 2 lectures per week, 1 tutorial, 1 hour practical every 2 weeks
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses
- Assessment: 2 hour exam, class exercises, practicals

Principles of experimental design, including randomisation, replication and blocking. Factorial experiments, confounding and fractional replication. Split plot designs, other multi-stratum experiments and their analysis. Incomplete block designs, canonical efficiencies and analysis by generalised sweeps. There will be an emphasis on practical aspects of the course. S-PLUS will be used throughout.

STATS 6014

Sampling Theory and Practice III

- 3 units - not offered in 2005
- 2 lectures per week, 1 hour tutorial or practical every week
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass),STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses
- Assessment: 2 hour exam, class exercises, practicals, project work

Introduction: experiments and surveys; steps in planning a survey. Statistical characterisations of finite populations; total, mean, variance, mean square. Randomisation approach to sampling and estimation; sampling distribution of estimator; expected values, variances; generalisation of probability sampling. Prediction approach; inadequacies of approach; decomposition of population total; concomitant variables. Models: regression through the origin; estimation by least squares; ratio estimator; variance formulas. Balance and robustness; best fit sample. Stratified sampling; estimation; allocation; construction of strata; stratification on size variables; post-stratification. Two stage sampling; estimation; allocation. Cluster sampling.

STATS 6016
Industrial Statistics III

- 2 units - semester 1
- 2 lectures per week, 1 hour tutorial every 2 weeks
- Available for Non Award study
- Prerequisite: MATHS 10012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assessment: 2 hour exam, class exercises, practicals, project work

The Deming philosophy of quality; design and use of control charts for attributes and variables; process capability; CUSUM charts; the 7 tools of Total Quality Control; industrial experiments, particularly fractional factorial and response surface designs; Taguchi methods; signal/noise ratios; components of variance; measurement error.

STATS 6017
Statistics Project

- 6 units - semester 1 or 2
- Available for Non Award study

Further advanced work in Statistics as determined by the Head of Statistics.

STATS 6018
Bioinformatics III

- 3 unit - semester 2
- 3 lectures per week, 1 tutorial, 1 hour practical every second week
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice I (Life Sciences) (Pass Div I), STATS 2004 Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics)(Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: a statistical background such as would be obtained from any of the Level II courses.

STATS 7004
Statistics Topic A

- 3 units - semester 1 or 2

Further advanced work in Statistics as determined by the Head of Statistics.

STATS 7008
Statistics Topic D

- 3 units - semester 1 or 2

Further advanced work in Statistics as determined by the Head of Statistics.

STATS 7014
Statistics Topic B

- 3 units - semester 1 or 2

Further advanced work in Statistics as determined by the Head of Statistics.

STATS 7016
Statistics Topic C

- 3 units - semester 1 or 2

Further advanced work in Statistics as determined by the Head of Statistics.

STATS 7019
Advanced Inference

- 3 units - semester 1 or 2

Further advanced work in Statistics as determined by the Head of Statistics.

STATS 7021
Reliability and Quality Control

- 2 units - semester 1
- 28 hours lectures and tutorials or equivalent
- Available for Non Award study
- Assumed Knowledge: STATS 2004 Laplace Transforms and Probability and Statistical Methods
- Assessment: assignments, exam

Reliability; definitions, types of failure, confidence levels, mtbf concepts, predication of reliability from life test data. Quality control and assurance: definition of quality, data presentation, quality control methods. Total quality management: measurement and audit methods. Quality improvement.

STATS 7053
Statistics in Engineering

- 3 units - semester 2
- 3 hours per week, including 2 hours lectures
- Available for Non Award study
- Prerequisite: Level I Mathematics & introductory statistics course or equivalents, background reading
- Assessment: assignments 15%, mini-project 25%, open book exam 60%

This course will provide an introduction to the theory and practice of probability and statistics in the context of engineering, with an emphasis on modelling. To provide student's with the experience of using Excel, SAS, Splus and Matlab for statistical analysis. Revision - probability, descriptive statistics, binomial, uniform, Gaussian (normal) distributions, and expectation. Covariance, correlation, linear combinations of random variables, sampling distribution of the mean, confidence intervals for means and proportions. Further probability - Bayes' theorem, decision trees, Poisson processes and the Poisson and exponential distributions, Markov chains, Markov processes. Further distributions - Moment generating functions.Transformation of variables. Weibull in the context of reliability, Gumbel and generalised extreme value distributions in the context of flood prediction. Random number generation. Multivariate distributions - Bivariate distributions, marginal and conditional distributions. Approximate mean and variance of functions of random variables. Bivariate normal distribution, multivariate normal distribution, bivariate Gumbel distribution, Gibbs sampler. SPC - Shewhart and CUSUM charts. Regression - of response on a single predictor. Log-regression. Multiple regression. Logistic regression. Design of Experiments - Simple designed experiments-paired and unpaired comparison of means, approximate comparison of standard deviations and proportions. Factorial experiments and half factorial designs. Central composite designs. Response surface analysis. Taguchi's contribution to experimental design. Time series - Identification of trend and seasonal effects. Correlogram. Autoregressive processes of order 1 and 2. Forecasting and simulation.

STATS 7054
Statistical Modelling II

- 3 units - semester 2
- 5 lectures, 1 hour tutorial or practical, every 2 weeks
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: statistical background such as in any of Level II Statistics courses
- Assessment: 2 hour exam, class exercises, practicals, project work

Estimation. Properties of estimators: unbiasedness, consistency, efficiency, sufficiency. Method of moments. Maximum likelihood: score, information, large sample properties. Minimum variance bound. Tests of hypotheses. Type I, II errors, significance level, power. Likelihood ratio, and other large-sample equivalents. Interval estimation. Confidence intervals. An introduction to linear models, and Analysis of Variance. An introduction to, and examples using R, will be included.

STATS 7055
Bioinformatics III

- 3 units - semester 2
- 3 lectures, 1 hour tutorial or practical, every week
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice I (Life Sciences) (Pass Div I), STATS 2004 Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics)(Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: statistical background such as in any of the Level II courses
- Assessment: 2 hour exam, assignments

This course provides students with knowledge and skills in statistical bioinformatics. Topics covered include basic notions and terminology from biology and genetics; gene expression analysis; two-colour microarrays: image processing, data pre-processing and normalisation; empirical and graphical methods for 'low-level' analysis of microarray data; density smoothing and lowess curves. Hypothesis testing: non-parametric and permutation tests; bootstrap estimation and testing; the multiple-testing problem: step-down methods, computer-intensive methods, false discovery rates; the Bayesian approach to hypothesis testing and estimation. Discriminant analysis and cluster analysis. Biological sequence analysis; Poisson processes and Markov chains; the analysis of one DNA sequence; the analysis of multiple DNA or protein sequences; random walks and sequential analysis theory leading to BLAST; Hidden Markov Models (HMM) and applications.

STATS 7056
Biostatistics III

- 3 units - not offered in 2005
- 2 lectures, 1 hour tutorial or practical, every week
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: a statistical background such as in any 2 of Level II Statistics courses
- Assessment: 2 hour exam, assignment

This course provides students with fundamental knowledge of the design and analysis of clinical trials and epidemiological studies, and important methods for the analysis of biostatistical data.

Topics covered include the role of randomization and ethical considerations; Phase I to Phase IV trials; the Data and Safety Monitoring Board; methods of randomization: unrestricted and restricted randomization, random permuted blocks, biased coin designs, stratification, minimization; trial size: fixed, sequential and group sequential trials; factorial trials, crossover trials and equivalence trials. Epidemiology: cohort, case-control and related epidemiological studies; models for disease association: relative risk, odds ratio, attributable risk. Diagnostic tests and screening; meta-analysis; survival analysis.

STATS 7057

Sampling Theory and Practice III

- 3 units - not offered in 2005
- 2 lectures, 1 hour tutorial or practical, every week
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass),STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses
- Assessment: 2 hour exam, class exercises, practicals, project work

Introduction: experiments and surveys; steps in planning a survey. Statistical characterisations of finite populations; total, mean, variance, mean square. Randomisation approach to sampling and estimation; sampling distribution of estimator; expected values, variances; generalisation of probability sampling. Prediction approach; inadequacies of approach; decomposition of population total; concomitant variables. Models: regression through the origin; estimation by least squares; ratio estimator; variance formulas. Balance and robustness; best fit sample. Stratified sampling; estimation; allocation; construction of strata; stratification on size variables; post-stratification. Two stage sampling; estimation; allocation. Cluster sampling.

STATS 7058

Time Series III

- 3 units - semester 2
- 2 lectures per week, 1 tutorial, 1 hour practical every 3 weeks
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: astatistical background such as in any 2 of Level II Statistics courses
- Assessment: 2 hour exam, assignments

A time series consists of values of a variable recorded at regular intervals over a long period of time. Such data arise frequently in econometrics, finance, engineering, medicine, sociology and environmetrics, and require special methods for analysis because neighbouring observations are correlated. This course provides an introduction to time series analysis and topics covered include descriptive methods of analysis: plots, smoothing, differencing, the autocorrelation function, the correlogram and the variogram; the periodogram; estimation and elimination of trend and seasonal components. Stationary processes, modelling and forecasting with autoregressive moving average (ARMA) models. Spectral analysis: the fast Fourier transform, periodogram averages and other smooth estimates of the spectrum; time-invariant linear filters. Nonstationary and seasonal time series models; ARIMA processes: identification, estimation and diagnostic checking; forecasting, including extrapolation of polynomial trends, exponential smoothing, and the Box-Jenkins approach.

STATS 7059

Mathematical Statistics III

- 3 units - semester 1
- 5 lectures, 1 hour tutorial every two weeks
- Available for Non Award study
- Prerequisite: MATHS 1012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assumed Knowledge: STATS 2011 Statistical Theory and Modelling II
- Assessment: 3 hour exam, class exercises, practicals, project work

This course aims to provide students with fundamental distribution theory together with the underlying basics in statistical inference. It forms the basis upon which the remaining courses are built. Calculus of distributions. Moments and cumulants. Moment generating functions. Multivariate distributions: Marginal and conditional distributions, Conditional expectation and variance operators, Change of variable, multivariate normal distribution, Exact distributions arising in Statistics. Convergence results: weak convergence, convergence in distribution, Central Limit Theorem. Statistical Inference. Likelihood, score and information. Estimation and properties of estimators: sufficiency, efficiency, consistency, maximum likelihood estimators, large sample properties. Tests of hypotheses: likelihood ratio, score and Wald tests, large sample properties.

STATS 7060

Industrial Statistics III

- 3 units - semester 1
- 2 lectures per week, 1 hour tutorial every 2 weeks
- Available for Non Award study
- Prerequisite: MATHS 10012 Mathematics IB (Pass Div I) or MATHS 2004 Mathematics IIM (Pass Div I); one of STATS 1000 Statistical Practice I (Pass Div I), STATS 1004 Statistical Practice (Life Sciences) (Pass Div 1), STATS 2004 Laplace Transforms and Probability and Statistical Methods (Pass), APP MTH 2009 Numerical Analysis and Probability and Statistics (Pass), STATS 2001 Statistical Methods (Civil) (Pass)
- Assessment: 2 hour exam, class exercises, practicals, project work

The Deming philosophy of quality; design and use of control charts for attributes and variables; process capability; CUSUM charts; the 7 tools of Total Quality Control; industrial experiments, particularly fractional factorial and response surface designs; Taguchi methods; signal/noise ratios; components of variance; measurement error.

Trade

TRADE 5000

International Trade: Negotiations & Agreements

- 3 units - semester 1
- 3 x 1.5 day intensive modules
- Students who successfully complete both TRADE 5000 and TRADE 5001 will be eligible for the Professional Certificate in International Trade
- Assessment: 1500 word projects at end of each module, 2000 word project addressing elements of all 3 modules

International Trade: Negotiations and Agreements consists of three modules: (a) Trade in the Modern World Economy: an introduction to the global economy and international trade; gains from trade; global and regional agreements and institutions; and social issues and international trade. (b) Trade Agreements and Instruments of Trade Policy: main agreements in the WTO trading system; understanding schedules of concessions in goods, services & agriculture; and conduct of trade negotiations. (c) The Negotiation of Trade Agreements: regional and bilateral free trade agreements; dispute settlement in WTO and Australia's FTAs; organization of the Australian government on trade issues; main issues in WTO and FTA negotiations.

TRADE 5001

International Trade: Strategies & Opportunities

- 3 units - semester 2
- 3 x 1.5 day intensive modules
- Students who successfully complete both TRADE 5000 and TRADE 5001 will be eligible for the Professional Certificate in International Trade
- Assessment: 1500 word projects at end of each module, 2000 word project addressing elements of all 3 modules

International Trade: Strategies and Opportunities consists of three modules: (a) Opportunities in International Trade: politics of trade negotiations; dealing with unfair competition; new opportunities - China, Chinese Taipei and the WTO; and understanding statistics and other trade information (b) Practical Aspects of International Trade: practical preparations for entering export markets; partnership possibilities in international trade; and assistance in exporting. (c) In-depth exploration of WTO's 'New Issues': services, intellectual property rights, competition policy and investment.

Urban Habitat Management

URBH 7100

Designing Urban Habitats for Biodiversity

- 6 units - semester 1
- Up to 18 hours lectures/tutorials/workshops/fieldwork; contact hours vary week to week
- Eligibility: B.Urban Habitat Management students only
- Restriction: LARCH 4012 Landscape Architecture Studio IB
- Assessment: practical & project work totaling 5000 words or equiv - may include written, verbal and graphic communication

This course will involve a project based enquiry into urban habitat management themes that integrate biodiversity conservation and restoration, landscape construction and design, and urban ecological systems. The purpose is to consider and devise innovative design ideas that advance creative approaches to enhancing urban habitats.

URBH 7101

Urban Habitats: the Ecology of Cities

- 6 units - semester 1
- 2 hours lectures, 3 hours practicals, 5 days fieldwork
- Eligibility: B.Urban Habitat Management students only
- Assessment: practical & field exercises 4000 words or equiv. 40%, 5000 word project report 60%

This course will involve lectures, practical exercises and fieldwork focusing on the ecology and management of the wide range of plant and animal habitats (from semi-natural to largely artificial) typically found in Australian cities. The course will review the

biophysical and social processes responsible for the development of these urban habitats and will examine their structure, function and dynamics from a landscape ecology perspective. A major theme of the course will be the need for management strategies that integrate urban habitat conservation and restoration into wider landscape management frameworks through the development of urban greening plans. Guest lectures by urban habitat managers from a range of organisations affiliated with BioCity, practical exercises and fieldwork will be used to illustrate concepts presented in the lectures and demonstrate techniques of urban habitat inventory, classification, and management. Among these latter techniques, the course will consider both ecological and social dimensions of urban habitat management. Given the dominant influence of human activities on the viability of urban habitats, managers who focus on the ecological product of planning while neglecting the social process of planning are unlikely to see their urban greening plans in action.

URBH 7200

Managing Wildlife in Urban Habitats

- 6 units - semester 2
- 2 hours lectures, 3 hours practicals, 5 days fieldwork
- Eligibility: B.Urban Habitat Management students only
- Assessment: practical & field exercises 4000 words or equiv 40%, 5000 word project report 60%

This course will involve lectures, practical exercises and fieldwork focusing on the biology, ecology, management, health, and economic consideration involving urban animals. The lectures will be organised into weekly presentations of material relating to a particular group of animals, (for example birds, amphibians, snakes, freshwater fish, mammals, colonial invertebrates, etc). This material will examine the basic biology of the group, why they do well (or not) in urban environments, community perceptions, long and short-term management, educational value, legal and health aspects, and economic value (such as tourism, fishing etc). In addition, there will be a series of guest lectures on special topics or specific animals that raise particular issues (eg Koalas, Pigeons, Cockroaches etc). Invited experts from a range of organisations affiliated with BioCity will give these lectures. These guest lectures will be matched with the group of animals being considered in a given week. A practical session or field trip will also be matched to the weekly theme to demonstrate material presented in the lectures. Finally, students will undertake projects, designed in concert with BioCity partners, to investigate issues associated with urban wildlife management.

URBH 7201

Managing Urban Vegetation

- 6 units - semester 2
- 2 hours lectures, 3 hours practicals, 5 days fieldwork
- Eligibility: B.Urban Habitat Management students only
- Assessment: practical & field exercises 4000 words or equiv 40%, 5000 word project report 60%

This course will involve lectures, practicals and fieldwork focusing on the management of urban vegetation, particularly the native vegetation remnants found in cities and the native flora that occurs in other urban vegetation types. The course will consider the ecological impacts of urbanisation on the native vegetation and the ecological processes that characterise native vegetation remnants isolated within a human-dominated landscape (fragmentation, isolation, successional disturbance, disease and invasion). The course will review the results of current research on these ecological processes and its relevance to the conservation and restoration of native vegetation remnants. Guest lectures by urban habitat managers from a range of organisations affiliated with BioCity, practical exercises and fieldwork will be used to illustrate concepts presented in the lectures and demonstrate techniques of urban vegetation research and management.

URBH 7202

Internship in Urban Habitat Management

- 6 units - semester 1 or 2
- 1 hour seminar, 4 hours project work
- Eligibility: Grad.Dip. & Master Urban Habitat Management students
- Prerequisite: 12 units of Urban Habitat Management courses
- Assessment: seminar presentation 20%, project report of approx 8000 words 80%

This course will provide students with the opportunity to spend a semester as a professional 'intern' working either within a government, community-based, business or industry organisation or with a University of Adelaide researcher, while completing supervised project work in the field of Urban Habitat Management. Student placements will depend on the availability of internship opportunities. The seminars during the first part of the course will be used to prepare students for their internships, while those during the second part will be used to monitor the progress of the internships and assist students to prepare their project reports.

Viticulture

VITICULT 7001WT

Advances in Viticultural Science

- 3 units - semester 1
- 3 lectures/tutorials per week (or equiv.) in research seminars, discussion groups and industry visits
- Eligibility: postgraduate and Honours students only
- Assessment: research paper critiques 50%, essay 25%,student talks 25%

Current research in viticultural science will be examined through tutorial-based discussion of seminal research papers and attendance at research seminars. Current problems and challenges in viticulture will be focused upon, which includes water use efficiency, canopy management, irrigation techniques, salinity, flavor development, nutrient use efficiency, and manipulation of vines for fruit quality.

VITICULT 7002WT

Viticultural Science

- 3 units - semester 1
- 3 lectures, 4 hours practical per week
- Assumed Knowledge: Oenology 1018NW Foundations of Wine Science, Biology I: Organisms; Biology I: Molecules, Genes & Cells
- Assessment : written exam 40%, practical reports 40%, practical exam 10%, literature review assignment 10%

Viticultural Science covers the entire life cycle of the cultivated grapevine with an emphasis on fruit production for wine making. The practical component of the course takes advantage of the vine growth phases that occur from flowering and fruit-set leading up to harvest. Topics covered include: The growth cycle of the grapevine and the biology that underpins the different phenological stages. Grapevine physiology as it is relevant to growth and vine form, flowering, water use, mineral nutrition, berry development and ripening. Grapevine anatomy of the vegetative and reproductive parts. Techniques to monitor berry maturity development, and yield potential. Taxonomy of grapevines, characteristics of fruiting varieties and variety identification. Tutorial and practical sessions will focus in more depth on the following topics: vine and bud anatomy, shoot and fruit based variety identification, and yield estimation, canopy measurements and maturity sampling.

Approximately one half of the lectures encompassing Viticultural Science will be provided from Botany II. The selection of lectures from Botany II will cover topics relating to the general principles of plant biology including structure and function, systematics, floral biology and the physiology of growth and development. These lectures are intended to complement the Viticulture based lecture material of Viticultural Science with topics of whole plant biology that are common amongst most plant systems.

VITICULT 7007WT

Viticultural Production A

- 3 units - semester 2
- Even years only - only available to repeating students
- 3 lectures, three hour practical per week - some lectures replaced by tutorials
- Prerequisite: VITICULT 2002WT Viticultural Science
- Restriction: VITICULT 3022WT Viticultural Production A (Oenology)
- Assessment: exam, assignments, practical reports

Principles behind the establishment of a viticultural enterprise comprising site selection, choice of planting material and the design and establishment of the vineyard. Trellising design, pruning principles, practices and mechanisation, and crop harvesting. The relationship between production aspects and the physiology of the vine including phenology and shoot development, effect of node position on fruitfulness, interaction with climate response to pruning, trellising and canopy management. The course includes visits to commercial vineyards.

VITICULT 7008WT

Grape Industry Practice, Policy and Communication

- 2 units - semester 1 (second half)
- 7 hours lectures/seminars/tastings per week
- Prerequisite: Oenology students - OENOLOGY 3011WT Winemaking; Viticultural Science students - VITICULT3004WT Viticultural Production A or VITICULT 3018WT Viticultural Production B
- Assessment: written assignments, seminar participation, presentation

The aims of the course are the development of a mature understanding of wine in society, the refinement of students abilities in written and spoken communication and the provision of a forum for the exchange of information between students and wine industry professionals. Invited speakers explore important issues including occupational health and safety, alcohol awareness and current practices in Australia and the world. Emphasis is placed on student participation in questions, discussions and sensory sessions.

VITICULT 7021WT

Viticultural Production

- 3 units semester 2
- Restriction: VITICULT 3004WT Viticultural Production A, VITICULT 3018WT Viticultural Production B, VITICULT 3017WT Viticultural Production B (Oenology), VITICULT 3002WT Viticultural Production A (Oenology), VITICULT 3021WT Viticultural Production, VITICULT 7007WT Viticultural Production A
- Assessment: exam, assignments

Principles behind the establishment of a viticultural enterprise comprising site selection, choice of planting material and the design and establishment of the vineyard. Trellising design, pruning principles, practices and mechanisation. The relationship between production aspects and the physiology of the vine including phenology and shoot development, effect of node position on fruitfulness, interaction with climate response to pruning, trellising and canopy management. Vineyard management practices including: pests and diseases of grapevines; their recognition and control; propagation; soil management comprising weed control by chemical and non-chemical methods; the response of grapevines to irrigation; principles of irrigation scheduling and strategic irrigation practices; harvesting and handling methods used for winegrapes; cultural practices employed to produce winegrapes of particular end-use specification.

VITICULT 7024WT

Table and Drying Grape Production

- 2 units - orientation week, first half of semester 1
- 6 hours per week including field trips
- Assessment: assignments 30%, written exam 70%

Table grape production: varieties; genetic improvement; vineyard design; techniques to improve table grape quality particularly crop load adjustment and growth regulators; harvesting and handling including maturity standards, harvest methods, packing, post-harvest handling, marketing. Dried grape production: climatic requirements, principles of grape drying; treatments to enhance drying; dried grape product types; preparation for harvest; harvesting and handling of fresh grapes for drying and trellis dried fruit; finish drying and dehydration; classing, processing and marketing.

VITICULT 7038WT

Viticultural Methods and Procedures

- 3 units - semester 1
- 1 lecture, 1 tutorial, 4 hours practical per week
- Eligibility: Grad. Coursework in Viticulture students
- Assessment: written exam 60%, practical reports & major experimental project report 30%, practical exam 10%

The practices associated with the development and operation of a viticultural enterprise. This includes training in the monitoring of pests and diseases, soil and plant water and nutritional status; yield estimation; experimentation. Lecture topics include: biotechnology in viticulture, organic viticulture, advanced propagation techniques, use of growth regulators in viticulture, control of bird pests. Tutorial/practical sessions include: climatic assessment for vineyard site selection; principles and practices of vineyard operations including spray equipment calibration and spray application; pruning, training, trellis erection and repair, propagation, canopy management and other activities; vineyard monitoring—phenological stages, bud fruitfulness, physiological pruning, yield estimation, pests and diseases, soil and plant water status; computer-aided decision-making systems such as VineLogic and precision viticulture. This course includes visits to commercial vineyards and equipment suppliers.

Wine Marketing

WINEMKTG 7003EX

WINEMKTG 7003WT

Advertising and Promotion

- 3 units - semester 1
- Internal - 2 lectures, 1 tutorial per week - or External
- Corequisite: WINEMKTG 1013WT/1013EX/7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

This course will provide the student with an overview of the Integrated Marketing Communications process. Students will learn to manage the formal communications process in the context of wine and agricultural businesses. Attention will be paid to developing communication plans and understanding strategic applications of advertising, sales promotion and public relations tools. Students should expect to gain knowledge of communications theory as well as practical application through study of texts and real world cases.

WINEMKTG 7005EX

Wine and Food Tourism and Festivals

- 3 units - semester 2
- External only
- Eligibility: postgraduate students only
- Assumed Knowledge: WINEMKTG 7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

This course explores the basics of tourism and the structure of the tourism industry as it relates to both wine and food. It addresses the basics concepts of wine tourism and hospitality, wine and food festivals in the broad context of tourism and hospitality, and wine tourism as a vehicle to build a brand image for the wine(ry) business and/or wine region. Specific focus areas include wine tourism visitor (consumer) behaviour, the role of the winery cellar-door in wine marketing/distribution, the functions of wine routes/roads, wine region brand building, and wine and/or food festival event fundamentals and management.

WINEMKTG 7006EX

WINEMKTG 7006WT

Wine Retail and Distribution Management

- 3 units - semester 2
- Internal - 2 lectures, 1 tutorial per week - or External
- Prerequisite: WINEMKTG 1013WT/1013EX/7055WT/7055EX Wine and Food Marketing Principles
- Assessment: assignments, exam

This course focuses on the principles of establishing and managing a retail concern. It will expose the student to the theoretical and practical aspects of selling and retail practices. Some of the areas this course will cover include: distribution and information systems, selling and marketing technology and trends, retail and wholesale operations, negotiation skills. The course can involve some fieldwork, guest lectures and practical case studies.

WINEMKTG 7015WT

Issues in Wine Business

- 3 units - semester 1 or 2
- 3 hours of seminars per week
- Prerequisite: approval of Wine Marketing program coordinator

This course will offer the opportunity to the students to cover a range of topics in Wine Business as it relates to the student's study program interests and the teaching and research interests of staff and visiting academics. A combination of industry, academic and student prepared seminars will be used.

WINEMKTG 7030EX

WINEMKTG 7030WT

Wine and Society

- 3 units - semester 1
- Internal - 2 lectures, 1 tutorial per week - or External
- Assumed Knowledge: WINEMKTG 1013WT/1013EX/7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

The student will be exposed to studies that cover the history and future of the Australian wine industry, presented in the wider context of European and other New World wine industries. Topics covered include: the origins of grape and wine production, the religious and cultural symbolism of wine, the development of an international wine trade in the 20th century, the role of fashion in wine markets, and examination of wine and other forms of alcohol and health issues. Also covered are alcohol and wine consumption habits and attitudes, education and awareness programs, communication of wine information, food and wine complementarity, labelling and product laws.

WINEMKTG 7031WT

Topics in Agricultural Business B

- 3 units - semester 2
- 3 hours per week
- Prerequisite: approval of Wine Business program coordinator
- Assessment: written assignments & oral presentations

The course will offer the opportunity to the student to cover a range of topics in Agricultural Business (including wine and food) as it relates to the students study program and the teaching and research interests of staff and visiting academics.

WINEMKTG 7033WT

Research Methodology and Methods

- 3 units - semester 1 or 2
- 3 hours seminars per week
- Prerequisite: approval of Wine Business program coordinator
- Assessment: written assignments, seminar presentations

This course familiarises the student with the methodology of scientific research in wine business, ie. the system of rules and procedures on which wine business research is based and against which claims for knowledge are appraised; and the methods or techniques commonly used in wine business research, including quantitative techniques and computer techniques. Coverage of techniques emphasises the types of problems each technique is suitable for, and the strengths and limitations of each technique. The first half of the course concentrate on methodology, the second half on methods. Concepts required for writing a research proposal are presented in the first half of the semester. The methods are presented during the second half of the semester. During the second half of the semester, a student completes and successively refines his/her proposal to be presented at the end of the semester.

WINEMKTG 7034EX

WINEMKTG 7034WT

Winery Business Management

- 3 units - semester 2
- Internal - 2 lectures, 1 tutorial per week - or External
- Eligibility: postgraduate Wine Business students only
- Prerequisite: WINEMKTG 7053WT/7053EX Introduction to Managerial and Financial Accounting, and WINEMKTG 7055WT/7044WT Wine and Food Marketing Principles
- Assessment: assignments & winery business plan project

This capstone course integrates all of the interfacing elements between wine and business management as these relate to the 'real-world' side of the wine industry of today. In the process wine marketing (with a strong emphasis on brand building to differentiate the wine(ry) business), winery cost and management accounting and financial management, strategic winery business

management, and organisation development are all examined as these relate to actual wineries. Key focus areas are wine(ry) brand building and management, understanding costs of production, and financing growth strategies for a wine(ry) business. The key activity performed in this course is the analysis and application of decision-making to winery operations and their application to an actual (operating) winery. The primary course outcome is the development of a realistic and fully-integrated business plan for this operating winery.

WINEMKTG 7035EX

WINEMKTG 7035WT

International Wine Law

- 3 units - semester 1
- Internal - 2 lectures, 1 tutorial per week - or External
- Eligibility: postgraduate students only
- Assumed Knowledge: WINEMKTG 7054EX Legal Issues in Wine Marketing
- Assessment: to be advised

The course will cover import and export licensing, labelling and standards requirements, appellation and place names requirements and restrictions, contracts for international sale and financing of sale and for transport, conflict of laws, the role of the OIV and other international agencies, treaties and trade agreements, and tax laws as related to the international wine trade.

WINEMKTG 7039EX

WINEMKTG 7039WT

Applied Marketing Research

- 3 units - semester 2
- Internal - 2 lectures, 1 tutorial per week - or External
- Assumed Knowledge: WINEMKTG 1013WT/1013EX Principles of Food and Wine Marketing and WINEMKTG 1015EX Data Analysis for Food and Wine Business or ECON 1008 Business Data Analysis
- Assessment: to be advised

The aim of this course is to study quantitative and qualitative marketing research for pro-active and reactive marketing intelligence systems as it applies to wine and food marketers. Topics included are problem analysis, types of data collection systems, steps in research projects, controls of a research project, questionnaire design, statistical methodology for data reduction, sampling theory and the industry and operative organisations. Dealing with a market research organisation will be a significant aspect of the course which is not aimed at producing researchers but clients who understand the intricacies of the process - and the limitations. The focus will be the application of the theory for use in new wine or food evaluation, advertising measurement, corporate/product/range analysis, attitudinal research, as primary sources. Secondary sources such as trade, governmental or syndicated data will be explored and assessed.

WINEMKTG 7041WT

Topics in Agricultural Business A

- 3 units - semester 1
- 3 hours per week
- Prerequisite: approval of Wine Business program coordinator
- Assessment: written assignments and oral presentation

The course will offer the opportunity to the student to cover a range of topics in Agricultural Business (including wine and food) as it relates to the student's study program and the teaching and research interests of staff and visiting academics.

WINEMKTG 7046WT

Problems in Agricultural Business A

- 3 units - semester 1
- 3 hours per week
- Prerequisite: approval of Wine Business program coordinator
- Assessment: written assignments and oral presentations

This course will offer the student the opportunity to investigate a problem in the agricultural business area (including wine and food). The problem will relate to the student's study program and the teaching and research interests of staff and visiting academics.

WINEMKTG 7047WT

Problems in Agricultural Business B

- 3 units - semester 2
- 3 hours per week
- Prerequisite: approval of Wine Business program coordinator
- Assessment: written assignments & oral presentations

This course will offer the student the opportunity to investigate a problem in the agricultural business area (including wine and food). The problem will relate to the students study program and the teaching and research interests of staff and visiting academics.

WINEMKTG 7049EX

WINEMKTG 7049WT

Global Market for Wine

- 3 units - semester 1
- Internal - 2 lectures, 1 tutorial per week - or External
- Eligibility: postgraduate Wine Business students only
- Corequisite: WINEMKTG 7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

This course provides students with insights into the structure, mechanisms, regulatory agencies, and complexities of the world wine marketing. It uses a typology of open, government-regulated and emerging wine markets as the frame work within which to present this. In addition, it examines key drivers in the world wine marketing and their impact on wine marketing dynamics and characteristics. Throughout there is an emphasis on wine consumer behavioural aspects and successful marketing strategies employed in the major wine consuming markets.

WINEMKTG 7052WT

Applied Management Science

- 3 units - semester 1
- 2 lectures, 2 hour practical/tutorial per week
- Eligibility: postgraduate students only
- Assumed Knowledge: WINEMKTG 1015EX Data Analysis for Food and Wine Business or ECON 1008 Business Data Analysis I
- Assessment: theory, practical exams, case studies, assignments

The aim of this course is to introduce a collection of management science techniques that helps business managers make better decisions and to foster a logical, consistent and systematic approach to problem formulation, problem solving and decision making. Emphasis is placed on model formulation and interpretation rather than algorithms. Topics to be covered include mathematical programming, network modelling, Monte Carlo simulation, decision analysis under risk, and time series forecasting.

WINEMKTG 7053EX

WINEMKTG 7053WT

Introduction to Managerial and Financial Accounting

- 3 units - semester 1 or 2
- Internal: - 2 lectures, 1 tutorial per week - semester 1 only
- External - semester 1 or 2
- Eligibility: Internal offering - postgraduate students only
- Assessment: assignments 50%, final open book exams 50%

This course provides an introduction to the principles of accounting appropriate to the wine industry. The course deals with those accounting principles from the perspective of a winery business manager. The course does not seek to teach the detailed techniques of accounting, but rather to equip students with sufficient knowledge and skills of accounting to be better managers in the wine industry. The first half of the course deals with financial accounting matters, with a special emphasis on equipping students to be able to analyse financial statements, and to understand the techniques of managing cash flows in wine businesses . In the second half of the course, management accounting techniques such as product costing, budgeting, cost-volume-profit analysis and project evaluation are covered. At the end of the course, students will be able to deal with financial statements, management reports, and be able to make more effective decisions where financial implications are involved.

WINEMKTG 7054EX

Legal Issues in Wine Marketing

- 3 units - semester 2
- External only
- Assessment: exam 50%, assignments 50%

This course provides a general introduction to the Australian legal system and institutions, and to Australian commercial law. Emphasis will be placed on those parts of the law that have particular relevance to marketing, such as contract, sale of goods, consumer protection, trace practices and intellectual property law. The legal principles discussed have general commercial applicability, but where possible will be illustrated by topical examples drawn from wine food marketing.

WINEMKTG 7055EX

WINEMKTG 7055WT

Wine and Food Marketing Principles

- 3 units - semester 1
- Internal - 2 lectures, 1 tutorial per week - or External
- Assessment: to be advised

The aim of this course is to give wine marketing students an understanding of the role of the marketing manager through an introduction to the basic concepts and practices in marketing with particular emphasis on wine and food products. The topics covered include the marketing environment and marketing strategy formulation. There will be particular examination of product, price, place and promotion strategies.

WINEMKTG 7056EX

WINEMKTG 7056WT

Internet Marketing and E-Commerce

- 3 units - semester 1
- Internal - 2 lectures, 2 hours practical/tutorials per week - or External
- Eligibility: postgraduate students only
- Corequisite: WINEMKTG 7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

The course examines issues concerning the process, development and impact of e-commerce, and the use of Internet marketing in wine and food business from a managerial viewpoint, and within the context of creating consumer value. Topics include the underlying technology of e-commerce, conceptual foundations of marketing in an electronic environment; e-commerce business models; consumer attitudes and behaviour on the Internet; Internet

marketing research; e-commerce and supply chain management, and advertising and promotional strategies in e-commerce. Coverage also includes issues associated with developing strategy, planning, designing, implementing, out-sourcing, securing and managing e-commerce systems and technologies. Emphasis will be on establishing a framework to keep abreast of the technology in a relatively new but fast moving field.

WINEMKTG 7057EX

WINEMKTG 7057WT

Food Marketing

- 3 units - semester 1
- Internal - 2 lectures, 1 tutorial per week - or External
- Prerequisite: WINEMKTG 7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

This course examines key issues in the development and marketing of primary and processed food and beverages products. Emphasis is placed on such areas as supply chain management, managing product development, exporting Australian food and beverage products, market research, packaging and labelling, consumer food consumption trends, food marketing strategies, and value-adding in Australian food and beverage industries.

WINEMKTG 7058EX

WINEMKTG 7058WT

International Marketing of Wine and Agricultural Products

- 3 units - semester 2
- Internal - 2 lectures, 1 tutorial per week - or External
- Assumed Knowledge: WINEMKTG 7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

This course aims to provide a comprehensive review of the theory and practice of international marketing in relation to wine and agricultural products. Topics include: environmental factors affecting global wine marketing, especially the socio-cultural implications of international trade and wine export, strategic planning and organising for international marketing, market research for wine and agricultural products, decisions on segmentation, wine product policy, pricing, channels of distribution, international wine advertising, and coordinating and controlling global wine marketing operations.

WINEMKTG 7059EX

WINEMKTG 7059WT

Strategic Marketing Management

- 3 units - semester 2
- Internal - 2 lectures, 1 tutorial per week - or External
- Prerequisite: WINEMKTG 7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

The critical role of strategic marketing in meeting the challenges facing organisations in complex markets will be the primary focus of this course, and will seek to explore how formulating and implementing unique strategic marketing moves serve not only to ensure survival, but also to yield significant and sustainable competitive advantage.

Drawing on current and emerging perspectives on strategic marketing, the material covered will be structured in terms of a basic strategic marketing model, which deals with company, competition, customer, environment, strengths and weaknesses, objectives and goals, strategy formulations and implementation.

In order to contextualise this material students will be encouraged to develop an understanding of the practical necessity for interdependency and synergy between an organisation's corporate, business, and functional levels of strategy.

WINEMKTG 7060EX

Consumer Behavioural Analysis

- 3 units - semester 1
- External only
- Prerequisite: WINEMKTG 7055WT/7055EX Wine and Food Marketing Principles
- Assessment: to be advised

The aim of this course is to alert students to the many variables that impact upon the purchase and consumption of goods and services, especially wine. Within this multi-disciplinary course are the studies of perception, attitudes, human motivation, consumer information processing and decision making, the sociology of people, cultural and sub-cultural variables, group influences and the segmentation of consumers into manageable communicable target groups for wine markets. Knowledge of consumer behaviour provides direction and the basis for wine marketing efforts such as advertising, promotion, public relations, wine packaging, pricing, distribution and the nature of the wine product.

WINEMKTG 7062EX

Microeconomic Principles

- 3 units - semester 1
- External only
- Assessment: assignments, final exam

The course provides an introduction to the essential elements of microeconomics, with emphasis on demonstrating how the understanding of microeconomic principles can lead to better analysis of management and marketing of wine and food products, and government microeconomic policies. Broadly, the course covers how production and consumption decisions of individual economic units are made and coordinated. Specific topics include fundamentals of supply and demand analysis, production economics, analysis of short and long-run costs of production, market structure, pricing policies and methods, market failure, welfare and public policy issues and the markets for factors of production.

WINEMKTG 7063EX

Macroeconomic Essentials for Wine and Food Business

- 3 units - semester 2
- External only
- Assessment: assignments and final exam

This course develops understanding of the macroeconomic environment in which wine and food business operate; and the ability to analyse the implications of specific macroeconomic events (eg, change in the interest rate, tax cut, or increasing unemployment) to success and profitability, and marketing strategies of wine and food businesses. Emphasis is on applications and policies, not formal economic theory. Coverage include: measurements of national income, cost of living, and unemployment; productivity and economic growth; the monetary system; the causes and effects of inflation and unemployment; impacts of monetary and fiscal policies; factors influencing the international flows of goods and capital; and current debates over macroeconomic policies.

WINEMKTG 7064EX

WINEMKTG 7064WT

Advanced Wine Marketing

- Internal - 2 lectures, 1 hour tutorial per week - or External
- Eligibility: Master of Wine Business students only
- Prerequisite: WINEMKTG 7049WT/7049EX Global Marketing for Wine and WINEMKTG 7034WT/7034EX Winery Business Management
- Assessment: assignments and major project

This course integrates a multi-disciplinary approach with fundamental wine industry practicalities to address key issues as these relate to today's wine marketing coalface. Drawing on current and emerging perspectives on the marketing mix elements as these relate specifically to the wine market, the emphasis is on areas of wine marketing application such as new wine product development, strategic wine brand building and management, wine market segmentation approaches and methodologies, wine distribution channel issues, pricing strategies, and advertising and promotion issues. Within this wine marketing framework, there is also specific focus throughout on various consumer behavioural aspects, competitiveness issues and the important role of the winery cellar-door. In order to contextualise the course materials, students will be encouraged to develop an in-depth understanding at an advanced level of how grounded marketing theory principles relate and apply to the wine marketplace and its various issues.

Students will be conducting primary wine market research in their major research project that will test their ability to apply these wine marketing concepts.

WINEMKTG 7065EX

WINEMKTG 7065WT

Database Marketing for Food and Wine Business

- 3 units - semester 2
- Internal - 2 lectures, 1 hour tutorial per week - or External
- Eligibility - postgraduate students only
- Prerequisite: WINEMKTG 7055WT/7055EX Principles of Wine and Wine Marketing
- Assessment: assignments and final exam

This course presents the evolving field of database marketing, broadly defined as the use of customer databases and information technology to promote one-to-one relationships with customers and to create precisely targeted marketing strategies; and its uses in food and wine businesses, especially for small to medium sized firms. Coverage includes the theories and practices of customer database design, implementation and maintenance; customer relationship management, and acquisition, retention and win-back strategies; applying customer lifetime value techniques; customer segmentation; and database marketing communication. More complex database marketing concepts including geodemographic applications, automatic cluster detection, and market basket analysis will be introduced.

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