

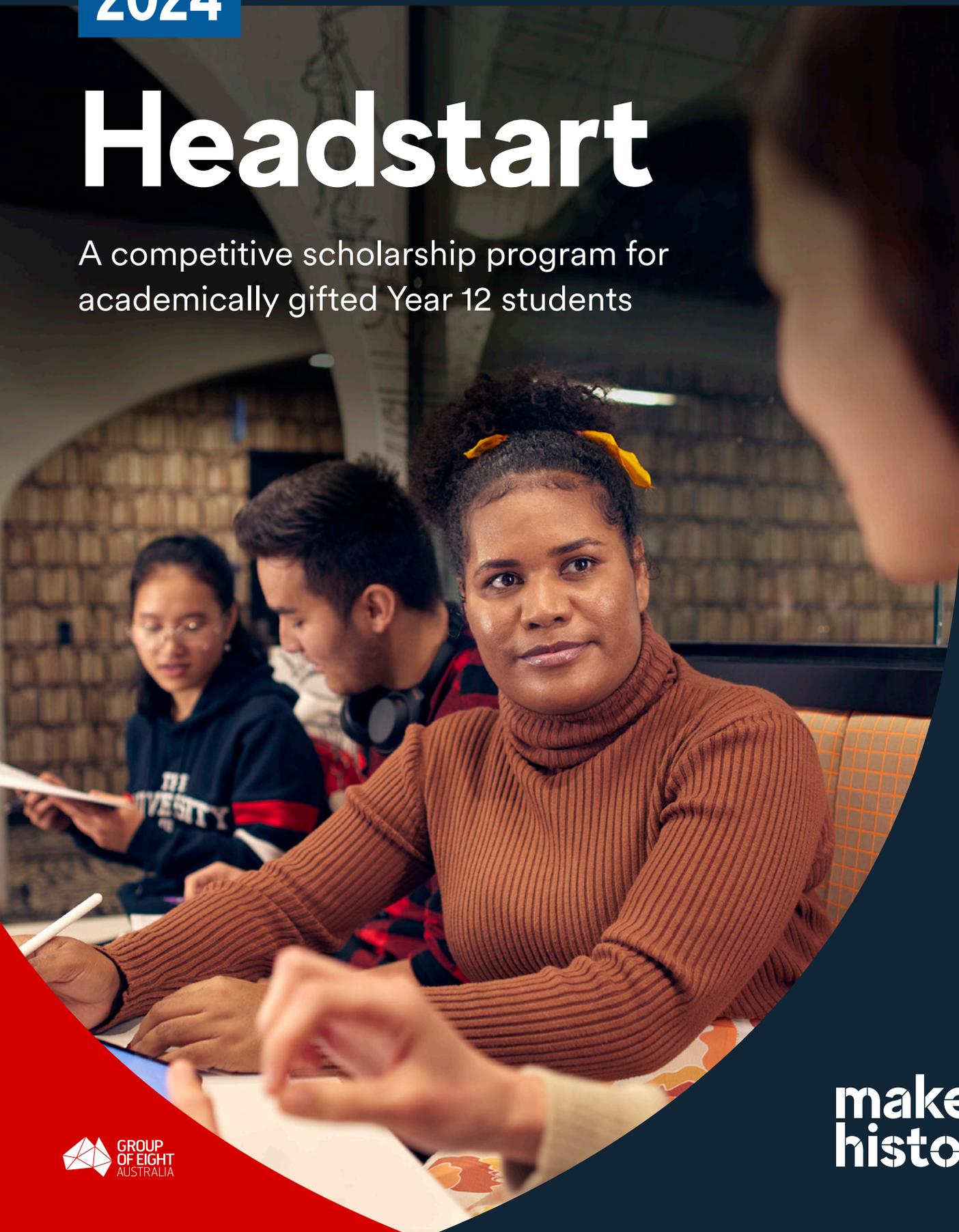


THE UNIVERSITY  
of ADELAIDE

2024

# Headstart

A competitive scholarship program for  
academically gifted Year 12 students



GROUP  
OF EIGHT  
AUSTRALIA

make  
history.

# Want to get a Headstart on uni?

The University of Adelaide's Headstart scholarship program gives high achieving students the opportunity to study at university while still in Year 12, and have these university studies count towards their SACE and their university aggregate selection rank.



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While studying at the University part time, Headstart students not only have the opportunity to find out what university life is like before they finish school, but also contribute to and benefit from the diverse cultural and intellectual life of the University of Adelaide.

## Enquiries

Further information about the program is available by contacting:  
**phone:** +61 8 8313 7335  
**email:** [headstart@adelaide.edu.au](mailto:headstart@adelaide.edu.au)

## Advanced Bachelor degrees

At the University of Adelaide, the search for new knowledge is an endeavour in which students participate.

The Advanced Bachelor degrees are designed for high achieving students who are inspired by the opportunity to contribute to the world's important discoveries and research advancements. They provide a unique experience to learn at close quarters with Adelaide academics of international distinction.

The Advanced Bachelor are ideal for students who demonstrate readiness for independent work. With the benefit of a strong research focus from the first year of the degree, students enjoy specialised small group discovery work, personal mentors and courses that are not available through other degrees. At completion, the Advanced Bachelor provide a strong pathway to further research and careers.

The Advanced Bachelor degrees on offer:

- Arts
- Computer Science
- Economics
- Health and Medical Sciences
- Mathematical Sciences
- Music
- Psychology (Honours)
- Science

For more information visit:  
[adelaide.edu.au/degree-finder](https://adelaide.edu.au/degree-finder)

# Headstart scholarship program

Headstart provides gifted and highly motivated students with a challenge beyond the Year 12 curriculum and the chance to grow as individuals as they combine secondary school and university studies.

Headstart students can choose to replace or supplement their Year 12 subjects with university courses (subjects). University courses are recognised by the SACE Board, allowing students to use them towards their SACE Stage 2 completion and therefore their university aggregate and Selection Rank calculation.

Headstart students may also receive credit towards their degree if they enrol in a University of Adelaide degree after high school. The program has limited spaces and is competitive by application. Students will be accepted based on merit and ranking. The ranking will be comprised of academic grades for Stage 1 and Stage 2 Subjects as well as the personal statement.

## The scholarship

Successful Headstart applicants are exempt from tuition fees and the Student Services and Amenities Fees while in the program. Headstart participants can enrol in a maximum of two courses of first-year university study.\*

*\* Students choosing to study Physics are able to study four courses, to meet the Mathematics co-requisite requirements.*

## Who can apply

The Headstart program is open to all students that will be in Year 12 in 2024 that are either accelerated or high achieving in their studies.

Please note, onshore international students must apply through the accelerated stream.

1. **Accelerated students** who have completed a Stage 2 subject in an earlier school year and are completing their SACE or IB at less than a full year's workload. Eligibility is based on grades from completed Year 12 and Year 11 subjects.

2. **High-achieving students** who are not accelerated. Eligibility is based on grades from completed Year 11 subjects.

Please note: Students who have already had a Selection Rank issued (e.g. students attempting Year 13) are not eligible to apply.

## Academic eligibility criteria

Applicants must meet the below SACE or IB requirements;

### SACE students

**Accelerated students:** A minimum grade of B or better for all Stage 2 and Stage 1 subjects already taken is required, plus a minimum of A- for any SACE Stage 2 subject that is a prerequisite for the University course to be studied.

**High-achieving students:** A minimum grade of B or better across all Stage 1 subjects is required.

## IB students

**Accelerated students:** A minimum score of 6 or higher at the Standard Level, or 5 or higher at the Higher Level for all Year 12 subjects already taken is required, plus at least 6-7 for any subject that is a prerequisite for the University course to be studied.

**High-achieving students:** A minimum score of 6 or higher at the Standard Level, or 5 or higher at the Higher Level is required.

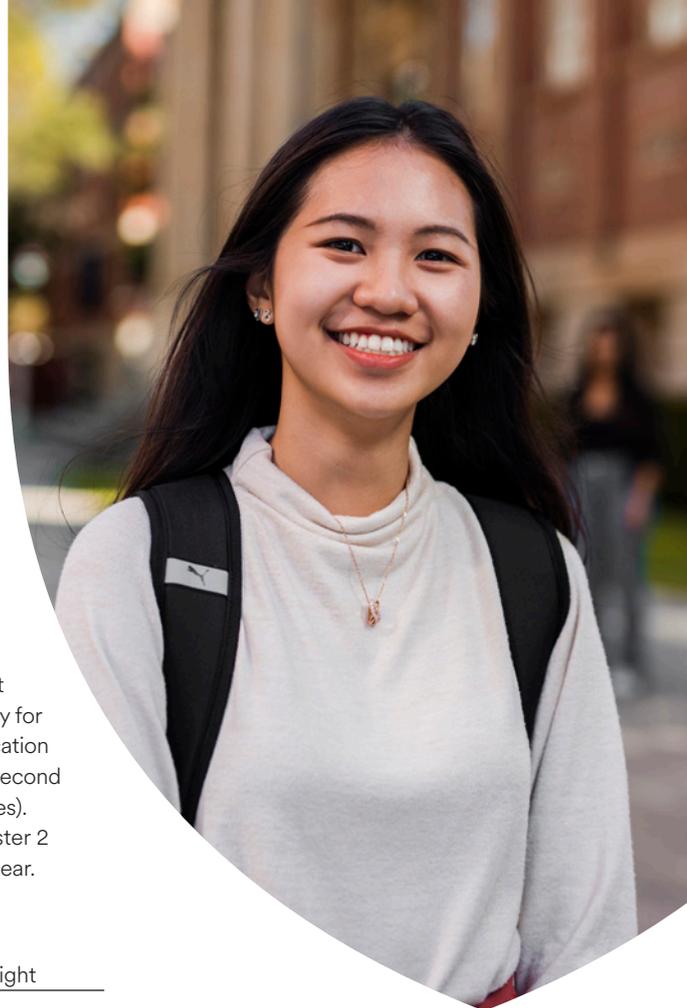
Additional criteria may apply to individual course selections such as Mathematics, Physics and Languages.

## Personal eligibility criteria

In addition to the academic entry requirements, the below personal eligibility criteria will be required/assessed:

- support of parents or guardians
- recommendation from the school and nomination of a School Mentor
- personal statement (max 250 words)—this should include why the student is wanting to pursue the Headstart program, what are the motivating factors for their selected Headstart subjects, plans for 2024 and beyond, etc.
- timetabling and attendance—this refers to the student's ability to manage the school and University timetables and availability to attend courses on-campus.

# Headstart applications



Online applications for Headstart will open in December 2023 with the following key dates;

## 2023 application key dates

Applications open	Monday 4 December 2023
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Closing deadline	Thursday 11 January 2024 by 5PM ACDT
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Further details on how to apply, including the information and documentation required, can be found on page 38.

Late applications will not be considered due to the time required for student enrolment and orientation.

Any queries about applications should be directed to (08) 8313 7335 or [headstart@adelaide.edu.au](mailto:headstart@adelaide.edu.au)

## Midyear entry

Students may be considered for entry beginning in Semester 2 if there are spaces available in the program. Midyear entry is only available into courses that do not have a Semester 1 university course prerequisite or assumed knowledge (refer to the course descriptions beginning page 7 for further information).

**Headstart students attend classes, submit assignments and sit examinations the same as other university students.**

Students applying for Headstart at the beginning of the year will apply for both semesters in the initial application (they do not need to complete a second application for Semester 2 courses). Students applying only for Semester 2 need to apply at the start of the year.

## Key dates

November 2023	Information night
4 December 2023	Applications open
4 December 2023	2024 University timetable released
11 January 2024	Applications close
26 January 2024	Applicants advised of outcome
19 February 2024	Orientation week
26 February 2024	Semester 1 commences
22 July 2024	Semester 2 commences
November 2024	Headstart Graduation

Further Academic Year Dates can be found at [adelaide.edu.au/student/dates/academic/2024](https://adelaide.edu.au/student/dates/academic/2024)

## Costs

Successful applicants receive a full scholarship from the University of Adelaide, which waives both the tuition fees and the Student Services and Amenities Fee for any courses studied as part of the Headstart program. Each student is responsible for costs associated with textbooks, materials, equipment, field trips and travel to and from campus.

## Headstart contact hours and timetable

Headstart students are expected to attend all classes face-to-face to gain maximum benefit from their university studies. Classes are usually delivered between Monday – Friday, 8am – 6pm. Classes are not offered at nights or on weekends. The number of contact hours will vary between courses and may be between 3-6 hours per week, spread across various classes (e.g. lectures, tutorials, workshops and practicals) and days of the week. Students will also need to undertake self-directed study outside of these hours to complete preparation, readings and assignments. Note that some courses will not have a large variety of class times to choose from, so it is important to take this into consideration.

Students must refer to the university timetable for courses they are applying for and the school timetable must clearly indicate any subjects which will be dropped or lessons that can be missed in order to attend university classes should the application be accepted.

2024 timetable information will be available from 4 December at [access.adelaide.edu.au/courses](https://access.adelaide.edu.au/courses) Information about the Academic Year dates, including semester dates, breaks and exam periods, can be found at [adelaide.edu.au/student/dates/academic/2024](https://adelaide.edu.au/student/dates/academic/2024)

Headstart participants are responsible for ensuring that they are available for the full duration of teaching and assessments.

## Enrolment

Headstart students are not enrolled in a degree but are considered Non-Award students. Upon enrolment, they will receive a student card that provides access to the full range of student services offered on campus and full borrowing rights at the University Libraries.

## Mentoring

Each Headstart student must nominate a staff member from their school as a mentor. The mentor's role will be to monitor student progress and act as a contact person linking the University to the student within the school. They will not be required to provide academic support. The University of Adelaide will provide an ongoing role of coordination and support.

This will include;

- liaison between the University and Headstart students, their parents/guardians, principals and mentor
- tracking students' progress through their university studies
- organising academic and peer support for students

## Learning environment

The University offers a fully adult learning environment and, while there are many support services and normal duty of care applies, the University does not take on the same responsibilities of care that schools assume under the Teachers' Registration and Standards Act and other legislation.

“

Applying for the Headstart program had been my plan from year 10 onwards, as I had heard so many amazing testimonies to the program's value from students in upper year levels, and I can say without a doubt that applying for the program was definitely the best decision I made regarding my Year 12 studies. The Headstart program allowed me to acclimatise to university life by supplying insight into the workload and lifestyle of the University. I chose to apply for Found-

ations of Law and International Law, due to my interest in legal studies and humanities. However, I was still unsure if I really wanted to study law. The Headstart program solidified this desire as I was able to gain insight into what a law degree, and its content, looks like. As a bonus, I have already completed 6 units of my degree, and cannot wait to continue my university studies.”

**Bella Courtney**  
Headstart student

The student, school and parents/guardians need to make a judgment as to whether the student will adapt to involvement in university life. It is important for them to understand that this can be significantly different from the secondary school environment.

## University assessment, grades and credit

Headstart students attend classes, submit assignments and sit examinations the same as other university students. More information on the current grade scheme (M10) can be found at [adelaide.edu.au/student/exams/results/grade-release-dates](https://adelaide.edu.au/student/exams/results/grade-release-dates)

Grades are recorded on the student's University of Adelaide academic record and any student who passes a Headstart course can receive credit into related University of Adelaide degrees. This enables students to fast-track their academic program or study additional courses. Headstart participants will receive their Academic Transcript at the conclusion of their participation in the program.

## Withdrawal

Headstart students must carefully consider the consequences of withdrawal from the program to ensure it will not

affect their completion of the SACE. The University only accepts withdrawal in close consultation with the student's school mentor.

If a Headstart student withdraws from, or fails a course at any stage of the year, this will not affect their chances of university selection (unless it prevents them from completing the SACE). No record of failure or withdrawal will be registered by the University of Adelaide.

## Headstart and the SACE

The SACE Board recognises and grants SACE credits for appropriate qualifications, subjects, courses, or learning experiences, which includes university studies. Recognition can be granted for up to 20 credits of the SACE at Stage 2.

Recognition towards the SACE is reported on the Record of Achievement as a number of SACE credits 'granted', and is not accompanied by a result (e.g. a grade or score). Satisfactory achievement in any university subject will be reported as 'University Studies'. This entry will receive the designation 'granted' and the relevant number of credits. More information is available at [sace.sa.edu.au/coordinating/admin/recognition](https://sace.sa.edu.au/coordinating/admin/recognition)

Each Headstart course is equivalent to 10 credits.

Recognition of university studies is by application to the SACE Board using the Recognition Application (Stage 1 and Stage 2) equivalent studies form on the SACE website—visit [sace.sa.edu.au/studying/recognised-learning/other](http://sace.sa.edu.au/studying/recognised-learning/other)

The recognition application form must be completed by the student and their school in two steps;

- Step 1: When the student is accepted into the Headstart program, to have the subject and course combination approved, and
- Step 2: On completion of the Headstart course(s), once the students academic transcript has been provided by the University of Adelaide.

Recognition of a Headstart course cannot be completed until the academic transcript is available, which will follow grades release of the students final Headstart semester.

## Headstart and the university aggregate

The university aggregate is calculated from a student's best scaled scores from three 20 credit TAS plus the best outcome from the flexible option (30 credits). The flexible option may include recognised learning that has been approved by the SACE Board.

Headstart results will count towards the students' university aggregate as follows:

High Distinction	10.0
Distinction	9.9
Credit	9.0
Pass	7.9

The university aggregate is then converted to Selection Rank. More information on this process can be found in the SATAC Tertiary Entrance Booklet.

Due to the timing of Step 2 of the recognition application, the university aggregate and Selection Rank may need to be recalculated and the SACE certificate reissued, however, this will not impact university offers.

## Headstart and eligibility for competitions and university entry

Participation in university level studies may impact eligibility for some competitions and for certain university degrees.

Applicants are responsible for seeking further information prior to participation if required.

Participation in a university level maths program (e.g. Mathematics IA/IB) may disqualify students from participation in the Australian Mathematics Olympiad. Any student participating needs to contact the Australian Mathematical Trust's Executive Director.

Most university applications will require information about any tertiary (university) studies that applicants have previously completed. If undertaking tertiary studies may impact application or eligibility (e.g. for Medicine programs) students are advised to seek further advice from the relevant University or application centre. At the time of publication, participating in the Headstart program does not impact student's eligibility for the Bachelor of Medical Studies and Doctor of Medicine at the University of Adelaide.

“

The Headstart program has given me the opportunity to explore different university pathways, through the diverse range of subjects offered by the University of Adelaide. Before commencing year 12, I felt the same pressure experienced by most year 12 students across Australia, particularly at the time of deciding my own future career path. However, after discovering the Headstart program, not only was I given the opportunity to experience university life, but I was able to trial different subjects and areas, all while completing my

year 12 studies. I have been able to develop my own sense of independence, as I transitioned into the expectations, commitment and lifestyle of university. I chose to undertake the subjects of Introduction to Marketing, and Managing People and Organisations, providing myself with an insight towards a Business degree. While the program has opened and unveiled many doors for my future career pathway, it has truly given me a virtual head-start for university.”

**Joel Ransom**

Headstart student



# Headstart 2024 courses

## Choosing courses

There are a number of ways that students choose which courses to take in the Headstart program. Students may select a course because it is related to:

- an area of interest, which may not be offered through their high school;
- an area of high achievement, to provide a further challenge; or
- courses that are relevant to a future degree – find the degree on Degree Finder to check if the chosen courses are listed in ‘Degree Structure’.

Students will also need to consider the timetabling for the course and whether it fits in with high school and other commitments.

## Course information

The courses offered through the Headstart program are briefly outlined on the following pages. Detailed information about courses can be found in Course Outlines at [adelaide.edu.au/course-outlines](https://adelaide.edu.au/course-outlines)

# Arts and Music

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## Approaches to Culture

CULTST 1001

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: discussion boards, writing portfolio (1200 words), research essay (1500 words).

The contemporary humanities and social sciences are the product of a cultural turn: away from dry, statistical theories of society and towards an appreciation of culture as the medium in which meanings are made and shared, and identities are formed. This course will introduce students to a number of ways to understand culture, and equip them with a variety of tools for analysing the cultures of everyday life. The course content includes topics such as fashion, taste, race, gender, online (sub) cultures, and the environment. It includes Indigenous perspectives on the relationship between nature and culture and addresses contemporary debates about identity. Approaches to Culture will introduce first year students to several of the major thinkers in the Humanities and Social Sciences, whose influence continues to be felt across the disciplines. The course is also the entry point for the Cultural Studies major.

## Argument and Critical Thinking

PHIL 1101

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assumed knowledge: ESL students are advised to consult the Course Coordinator to discuss enrolment in the course
- Assessment: short essay, long essay, weekly quizzes, end-of-semester online test.

Argument is an activity we all engage in, with varying results, in every walk of life. Over the last two millennia philosophers have developed powerful methods for classifying arguments, and identifying common errors in reasoning. Argument and Critical Thinking teaches these methods and applies them to real-life issues. Our topics will include the theory of legal argument, and the science-pseudoscience debate, which gives us the chance to discuss UFO's parapsychology, flat-earthers, and alien abductions!

## Asia and the World

ASIA 1103

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: quizzes (20%), writing exercises (40%), major paper (40%).

Asia's immense impact on the world over the last 2-3,000 years has often been obscured and is rarely part of Australian common knowledge. Asia and the World provides all students, but especially those doing International Studies and Asian Studies, with a basic introduction to notions of Asia. Many things which are taken for granted as being Western, often have their origins in the East in some way. This influence extends to language, hamburgers, philosophical ideas and ways of illustrating what we see. This influence is not limited to the ancient past. Today Asian pop culture is reshaping Western pop culture and ideas and products from Asia are changing our lives in fundamental ways even if the origins are not obvious. Asia and the World highlights the irony of how reactions to Asia shaped Europe's destiny and how its inventions and ideas have been adapted by Western states and often used to then dominate Asia in the colonial period. The contemporary rise of independent Asian nation states is reviewed and contextualised and the processes which obscure Asian influence are explained. Your view of why Australian/Western history and culture are the way they are may well change the way you see the world.

## Australian Indigenous Languages (Kurna focus)

LING 1053

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assumed knowledge: ESL students are advised to consult the Course Coordinator to discuss enrolment in the course
- Assessment: spelling and pronunciation quiz, constructing a Kurna text, research essay, class activities.

This course provides an introduction into the Indigenous languages of Australia with a particular focus on Kurna, the language of the Adelaide Plains. Australia has arguably suffered the worst rate of language loss and extinction in the world with now only 12 of the original 250 to 300 languages being transmitted by natural means to the next generation. Kurna is one of the few Indigenous languages which is reversing the trends and making a remarkable comeback. While focussing on the Kurna language, the course covers a wide range of topics essential to understand Australian Indigenous languages, not only linguistically, but also culturally and sociologically. The sounds and spelling systems are introduced grammatical and semantic structure explored with a view to uncovering something of the genius of Australian languages and their unique contribution to the rich tapestry of the world's languages. The interplay between linguistic and cultural meanings of Kurna greetings, kinship and emotions will be explained in detail. In addition, the course will look at the use of Indigenous languages in the public sphere of Australian society, including education, law and health, making the course highly relevant to students who aim to gain highly specialised skills to work in such fields..

## Beginning Shakespeare

ENGL 1109

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Incompatible: ENGL 1107; ENGL 2216
- Assessment: online quizzes 20%, textual analysis 30%, research essay 40%, participation 10%

This course will look closely at four Shakespeare plays, one each from the major genres of comedy, tragedy, tragicomedy (romance), and history. Topics covered will include character, form, spectacle, theme, sources, the original conditions of production and performance, and the reproduction of Shakespeare's plays in a contemporary context. Students will be introduced to a range of critical approaches to Shakespeare's plays, and will be encouraged to reflect on questions of canonicity, cultural value and authority, and the politics of production and reproduction. The course is suitable for students with little or no prior knowledge of Shakespeare, those wishing to become more familiar with the playwright's work, and those aiming to teach Shakespeare.

## Chinese IA

CHIN 1001

- 3 units - semester 1
- Study commitment: up to 4 hours per week
- Assumed knowledge: no previous knowledge of Chinese required
- Assessment: weekly practice, mid-term test, oral test and final test.

Chinese IA is a course for beginners in the language, followed by Chinese IB in semester 2 to build up basic knowledge and skills in Chinese. Native speakers or heritage speakers of Mandarin Chinese are not eligible for this course. Students who have studied Chinese before should contact the lecturers concerned to decide the best level at which to place them. Chinese IA teaches the fundamental grammar and vocabulary of modern standard Chinese (formerly known as Mandarin). This is the educated speech of North China which is now the official national language. Simplified characters are taught. The vocabulary reflects usage in contemporary China. It is expected that at the end of the course students should be able to master the Chinese phonetic system (Hanyu Pinyin), and should have an active vocabulary of around 200 Chinese characters and associated compounds concentrating on vocabulary that relates to contemporary China.

## Chinese IB

CHIN 1002

- 3 units - semester 2
- Study commitment: up to 4 hours per week
- Prerequisite(s): CHIN 1001 or equivalent
- Assessment: online quizzes (32%), homework (8%), mid-semester test (20%), oral test (20%), final test (20%)

Chinese IB is a continuation of Chinese IA. It continues instruction and practice in the speaking, understanding, writing and reading of modern standard Chinese. Throughout the course, mastery of conversational skills will be reinforced through oral-aural practice and at the same time, increased emphasis will be placed on contemporary texts. By the end of the semester students will know around 400 Chinese characters and associated compounds.

## Creative Writing: The Essentials

CRWR 1001

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assumed knowledge: Successful completion of ENGL 1101
- Assessment: critical reflection on close reading of set texts (1000 words), creative portfolio (2000 words), participation in online feedback forums)

This course is a practical introduction to creative writing through prose (fiction and non-fiction), poetry, and writing for performance. It covers ways to maintain a reflective writing practice, including revision and editing. The course includes exercises and assignments designed to develop the creative writer's craft, and a selection of readings in a range of forms and styles. Through writing practice and reflection, the course explores contemporary developments in different literary forms, introducing students to issues, techniques, and contexts of contemporary writing. The course aims to develop skills in creative writing, critical reading and analysis, and in research practices relevant to creative writers.

## Crime and Criminal Justice

CRIM 1002

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: online weekly quiz 24%, research exercise 6%, hypothetical report 30%, research essay 40%.

This course explores the various institutions, practices and procedures of the criminal justice system, as well as the range of theoretical, practical and philosophical challenges faced in achieving 'justice'. Students will be introduced to the mechanics of how the criminal justice system in Australia operates - and in particular, explore the interconnected nature of policing, the judiciary, and corrections. They will examine the effectiveness of these components, and investigate the key issues impacting contemporary criminal justice administration. In doing so, students will evaluate available evidence, and be encouraged to think critically about the aims, processes and potential failings of each of the components of the criminal justice system. Finally, students will also study the widespread impact of punishment across various groups within the community, including offenders, victims, families and the wider public.

## Design Fundamentals

MDIA1018

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: story map, peer assessment, video essay and exegesis, participation.

Designs of images, stories and technologies are central to the ways that we engage with the world. However, our capacity to make, share, and evaluate designs has radically expanded throughout history, with profound impacts. In this course, you will engage with histories of designs and design cultures from around the world and locate cutting-edge media production within this historical context to better understand how to put compelling designs into practice. Key concepts that this course introduces include theories of aesthetics, narrative structures and philosophies of design and ethics. Design Fundamentals introduces students in the Story Production, Visual Design and Immersive Media courses to central concerns of their field, as well as providing a focused engagement with design and technology for students in other programs.

## Digital Platforms

MDIA 1007

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: 500-word skills assignment, 1500 word theory assignment, 2000 word e-activities, participation.

Digital media have become fundamental to many ways that we communicate, interact and learn. In this workshop-based class, you will gain a better understanding of the systems, processes and history of digital media through a multimodal digital design project on a topic of your choice. To develop this project, students will learn the basics of digital photography, web development, social media analytics, graphic design software and other digital platforms. This hands-on, practice-based learning is supported by theoretical and historical perspectives on digital platforms, with consideration given to the ways that they work on both technological and social levels. You will learn to apply principles to practice in response to the rise of a media-driven, technology-oriented economy worldwide. Digital Platforms functions as an introduction to digital media practices and is a fundamental course for students who are looking to communicate online in more effective and creative ways.

## Economy, Environment and Place

GEOG 1103

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Incompatible: GEST 1003
- Assessment: tutorial participation and exercises, online quiz, essay, exam.

This course examines the interface between human economic activities and contemporary environmental issues. The course is designed to provide students with an opportunity to explore a variety of alternative pathways to green economies. The course critically analyses the mainstream economic way of thinking from philosophical and ethical perspectives. The course considers community-based natural resource management, Buddhist economics and ecology, and sustainable agriculture. In addition to academic resources, the course uses newspapers, novels, lyrics and movies to communicate the subject matter.

## Empires in World History

HIST 1108

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: using primary sources 1 20%, using primary sources 2 20%, primary sources for empire 30%, historical knowledge and understanding 30%.

From the beginning of recorded history to the twentieth century, the world has been shaped by the rise and fall of empires. The purpose of this course is to explore how and why empires were constructed, how they were kept together, how rulers and ruled interacted, and how and why empires disintegrated. Focusing on a series of studies, we shall draw wider conclusions about the nature of empires in world history. The scope of the course is global because we shall look at representative examples of European empires, Asian empires, and empires of the western hemisphere (such as Aztec). Not only will the course explore the political history of the empires, it will also deal with issues such as the role of women, and the impact of empire on language, art, culture, religion, the economy, the environment. The course has three main objectives. Firstly, it provides an introduction, to the study of history at university level. Students will receive training in the practice of history, for example, how to use primary and secondary sources and how to frame an historical argument. Secondly, the course furnishes students with an overview of the 'big picture' of world history across the last 1,500 years. Students will acquire essential contextual knowledge which will enrich their understanding of almost any subsequent course they take in history or the humanities. Thirdly, the course introduces students to civilisations that are quite different and in some ways alien to our own, and yet which in many ways are similar. In our interconnected world, an understanding of the historical roots of different cultures is a prerequisite for global citizenship.

## Foundations of News

MDIA 1021

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: news analysis, news-gathering exercise, news research project, short online quizzes.

This course is an introduction to fundamental principles of journalism practice. Through a focus on news gathering and engaging news audiences, it covers essential knowledge and skills required for journalists to function in the contemporary media environment. It explores how news stories are researched, effective use of sources and source material, interview techniques and elements of professionalism that impact on how journalists conduct their work. It examines news production in the context of news rooms and the influences of factors such as changing technology, as well as exploring growing areas such as fact-checking.

## Beginners French A

FREN 1002

- 3 units - semester 1 or semester 2
- Study commitment: up to 5 hours per week
- Incompatible: Not available to students who obtained B- or higher in SACE Stage 2 French or equivalent
- Assessment: regular assignments, tests, written exam.

This course introduces students to the language and culture of contemporary France. In addition to intensive language training in the four basic skills - listening, speaking, reading and writing - various aspects of French society and culture will be introduced through audio and video extracts and short texts. The emphasis throughout will be on communicative skills, both oral and written.

## Beginners French B

FREN 1003

- 3 units - semester 2
- Study commitment: up to 5 hours per week
- Prerequisite(s): FREN 1002
- Assessment: regular assignments, tests, written exam.

This course introduces students to the language and culture of contemporary France. In addition to intensive language training in the four basic skills - listening, speaking, reading and writing - various aspects of French society and culture will be introduced through audio and video extracts and short texts. The emphasis throughout will be on communicative skills, both oral and written.

## From Elvis to Youtube

MUSGEN 1003

- 3 units - semester 1
- Study commitment: Up to 3 hours per week
- Assessment: written assignment (1500 words), exam 1, written assignment (1000 words), exam 2.

A survey of popular music of the Rock era. This course considers the stylistic, sociocultural, economic, and technological aspects of popular music. Greatest attention is given to the stylistic evolution of popular music from the late 1950s (birth of Rock and Roll) through the end of the century (end of the Golden Age of Recording). Genres covered include Rhythm and Blues, Rock and Roll, Folk Rock, Country, The Beatles/British Invasion, Motown and Soul, Progressive Rock, Metal, Funk, Disco, Punk, Rap/Hip-Hop, Grunge, Alternative, Electronic Dance Music, Avant-Garde Rock and Mainstream Pop. The first part of the course looks at the pre-cursors of Rock-era music including Anglo-American Folk and early Blues. The latter part of the course samples artists and styles in the digital era of the past two decades, with emphasis on the impact that changes in technology and business practices have had on both the creation and consumption of popular music.

## Gender, Work and Society

GEND 1107

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Incompatible: GSSA 1003/EX
- Assessment: quiz, interactive group tutorial exercise, written assignment, tutorial participation.

Gender, Work and Society is designed to develop your knowledge and understanding of work and the ways in which the practices of work - paid and unpaid - is gendered. Men and women do different jobs in the workplace and in the home, they work different hours in many places, their training, education, skills and rewards are often different. While there are many differences among men, and among women, gender based, systematic differences also exist. The course considers their origins and explanations. It examines links between broad societal changes and women's and men's changing roles, especially relating to the economy, education, technology, consumerism, individualism, globalisation, welfare and the changing patterns of family life. Furthermore, the course considers recent developments in employment regarding increasing flexibility, privatisation, contracting out and home work. During the semester the course will cover current issues in the Australian workforce that are receiving media attention such as recent debates about the Industrial Relations system, the 'work-life collision', the issue of paid parental leave and the 'gender pay gap'.

## Geographies of Globalisation

GEOG 1101

- Study commitment: Up to 3 hours per week
- Assumed knowledge: Average computer skills
- Assessment: critical review of online lecture 500 words 10%, online learning module and SGDE 50%, tutorial participation 10%, exam 30%.

Globalisation is a fundamentally geographical concept as it influences the way we think about human interactions across time and space. But the nature, extent and impacts of globalisation continue to be widely debated. This course examines different ways of conceptualising globalisation and investigates the nature of local-global relations. Students will be introduced to the political, economic and cultural processes of globalisation and, drawing on local and international case studies, they will consider the social and environmental consequences of these processes for people living in different locations. In particular, the course investigates whether and how processes of globalisation operate to create, maintain and deepen inequality, poverty and injustice amongst individuals, groups, regions and nations. The course also explores population growth and migratory shifts and considers the role that these demographic changes have in broader processes of globalisation.

## Beginners German A

GERM 1002

- 3 units - semester 1 or semester 2
- Study commitment: up to 4 hours per week
- Incompatible: not available to students who obtained B or higher in SACE Stage 2 German or equivalent
- Assessment: regular assessments, tests, end of semester test, oral exam.

This course introduces students to the language and culture of contemporary Germany. It provides intensive language training in the four basic skills - listening, speaking, reading and writing - and introduces students to relevant aspects of German culture and society.

## Beginners German B

GERM 1003

- 3 units - summer semester or semester 2
- Study commitment: up to 4 hours per week
- Prerequisites: GERM 1002 or equivalent
- Incompatible: not available to students who obtained B or higher in SACE Stage 2 German or equivalent
- Assessment: regular assessments, tests, end of semester test, oral exam.

This course is a sequel to Beginners German A. It continues the intensive language training undertaken in Beginners German A. Aspects of German culture will again form an integral part of language instruction throughout the semester.

## Hollywood Film

FILM 1006

- 3 units - semester 2
- Study commitment: Up to 3 hours per week
- Assessment: discussion board posts, essay 1, essay 2.

Hollywood is the most powerful film industry in the world. Most of us are familiar with its products as consumers seeking entertainment, but this course adopts an analytic view to reveal that there is so much more to be enjoyed. Taking this course will permanently enrich your understanding of the films you see every day. It covers Hollywood's history from the early twentieth century to the present day. You will have the opportunity to engage with key films and genres, and you will consider influential critical perspectives. You will acquire a detailed understanding of the significance of Hollywood as an artistic, industrial and ideological centre. Course activities and assessments will help you develop skills research, analysis and communication that are transferable to many contexts.

## Image and Brand

MDIA 1019

- 3 units - semester 2
- Study commitment: Up to 3 hours per week
- Assessment: quiz 20%, group presentation 30%, case study report 40%, active participation 10%.

Positioning a product, company, or person in relation to consumers, audiences, fans or employers is central to gaining attention and providing value, yet whether looking at this on an individual basis or engaging with the most powerful organisations in the world, effective communication is often hit and miss. There are myriad approaches to understanding the interaction between individuals, organisations, and groups to fit different situations and contexts. In Image and Brand, you will be introduced to key perspectives from audience research, identity theory, organisational communication, visual communications, and persona studies, applying these approaches to case studies from around the world. This course provides the theoretical framework and social and cultural context for students in the Visual Design, and Social Media and Digital Promotion majors, as well as an introduction to influential ideas on identity and branding for students in other programs.

## Introduction to Ancient Greek and Roman History

CLAS 1003

- 3 units - semester 2
- Study commitment: Up to 3 hours per week
- Assessment: bibliographical/reading assignment (10%), 1200-word paper (20%), 1200 word paper (30%), 2 hour exam (40%).

This course introduces students to key aspects and events in ancient Greek and Roman history, and to some of the main historians of Greece and Rome. It is designed to form the necessary background for our upper-level courses in archaeology and ancient history. Firstly, we will explore the development of city-states in 6th and 5th c. BC Greece, with an emphasis upon the achievements of Athens in the Classical period. Students will be introduced to the history-writing of Herodotus and Thucydides. They will also explore how other types of primary sources - drama, comedy, philosophical essays and archaeological evidence - help us to understand Athenian concepts of state-identity, the role of the citizen and of government in their lives. Secondly, we will explore key moments in the history of Rome down to the early Empire. Again, emphasis will be upon understanding how to use our primary sources to understand the past. For instance, we will use Cicero's letters and essays to understand elite social and political networking in the Late Republic, the civil wars of Pompey and Caesar. How did Roman historians such as Livy, Suetonius and Tacitus differ from their Greek counterparts? How can we use surviving forms of evidence - material, epigraphic, literary - to understand what was important to the political and social life of Romans?

## Introduction to Anthropology: Society and Culture

ANTH 1104

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: active participation, quiz 1, quiz 2, annotated bibliography/essay outline, final essay.

This course explores the history of anthropology, defines key concepts used in the discipline and introduces students to the unique research methods that anthropologists use to understand human life (e.g. long-term immersive research with people). In this course students will study social structures / systems and learn about people's cultural practices, values and beliefs, including their own. The course uses a broad variety of cross-cultural examples (e.g. gift-giving in Japan, adolescence in Samoa, tourism in Panama, Hip Hop in Australia) to analyse the diverse ways that humans around the world think, feel, communicate and behave. In doing so, the course seeks to foster cultural sensitivity and respect for cultural differences. The course aims to develop students' understanding of the practical and ethical issues associated with conducting anthropological research. More broadly, it equips students with essential reading and writing skills needed to describe and critically interpret qualitative research in the social sciences.

## Introduction to Asian Cultures

ASIA 1104

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: experience description and analysis (15%), film scene description and analysis (25%), research essay (40%), homework exercises and notebook (20%).

How can Australian students begin to understand what happens when they go to China, Japan or other Asian countries? How can Asian students better understand the often, unspoken differences between what they are used to at home and what often happens to them in Australia? This course can help.

Introduction to Asian Cultures introduces first year students to some of the key cultural features of China and Japan (and East Asia more generally) and provides explicit concepts and explanations about aspects of Asian culture they are likely to experience. This approach is about providing tools for understanding and adjustment as well as more effective communication.

ASIA 1104 examines the ways in which these differences are reflected in language, social interactions, love and friendship etc. The nature of personal relations and business will also be explored while the ways that culture can influence government-to-government relations and diplomacy may also be discussed. Along the way, the course teaches the key differences between description and analysis. This course is also a great preparation for ASIA 2007 Cultures and Identities in second year.

## Introduction to Australian Politics

POLIS 1106

- 3 units - semester 1
- Assessment: tutorial work 25%, weekly online quizzes 10%, major essay 40%, key concepts test 25%.

Politics affect you every day - the conditions you live and work under, your identity, your security, the values and fears you possess, and ultimately your expectations as a citizen and your place in the world. This course will provide an introduction into the Australian political system in its social and economic context. Students will also be introduced to relevant theoretical debates in a range of areas.

Topics covered include: power, national identity, political parties, interest groups, environmental issues, the media, class, gender, race, ethnicity, technology, the impact of economic globalisation, political institutions, democracy and elections. The course will address the major forces that are influencing and shaping the Australian political environment. There is a particular emphasis on the applied and practical aspects of how and why government policies are brought into being as well as the social, political and economic factors that enable or constrain their introduction.

## Introduction to Comparative Politics

POLIS 1104

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: SGD activities (20%), individual submissions to group projects (10%), online tests (25%), open-book exam (45%).

The Rise of China, India and the European Union, alongside other regional powers such as Japan and Russia, has raised questions about the United States' continued dominance in global politics and economics. It has also opened a debate about competing models of political and socio-economic development and their effectiveness in promoting economic growth, political stability and social equity. Employing theories, concepts and methods of Comparative Politics, this course compares and contrasts the developmental paths taken by major global and regional powers. While analysing their political history, political and economic systems, as well as political cultures and social issues, it also reflects upon the policy-making processes, the efficacy of diverse political and economic arrangements and solutions to critical social problems states and nations face in the early 21st century.

## Introduction to English Literature

ENGL 1105

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assumed knowledge: advanced reading and writing skills
- Assessment: online grammar module and quiz, online literary terms module and quiz, prose assignment (500 words), poetry assignment (500 words), research essay (2000 words).

The Romantic poet Percy Bysshe Shelley proclaimed poets the unacknowledged legislators of the world. But can poetry, by which Shelley means literature more broadly, really change the world? In this introductory course, students will read some influential works in English literary history, and encounter debates about the function, power and reach of literary texts that will lead them to consider whether literature can truly effect change in the real world. Students will examine a variety of texts and genres, including novels, life writing, drama, and poetry, together with contemporary approaches to reading them. The course will develop the skills essential to English literary studies, including a discipline-specific vocabulary, and skills in literary and critical analysis, grammatically correct written expression, and research.

## Introduction to Film Studies

ENGL 1105

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: graded discussion boards, essay, take home exam.

Film is one of the most important, pervasive and influential cultural forms of our time. You probably already know a lot about movies from watching them for entertainment, but what if you could enrich your experience? You will learn to analyse, research and discuss feature films from a range of periods, including both historically important and recent films so you will learn about the development of film over time. You will also study films from a range of countries and cultures, which will encourage you to develop cross-cultural awareness. The course is in three modules. In the first, you will learn about film techniques, including visual, sound, and editing techniques. In the second, you will study four films from a key director in depth, and in the third, you will explore a key genre. This course is transformative: it has the capacity to permanently enhance your understanding of film and the media you encounter every day.

## Introduction to Gender Studies

GEND 1106

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Incompatible: GSSA 1004, GEND 1106EX
- Assessment: attendance and participation 10%, tutorial presentation 15%, minor essay 30%, major essay 40%, quiz 5%

Gender is encountered in every aspect of our lives. It informs public debate, legislation, how much money we earn, who dies younger and our exposure to risk and sexual violence. The course examines contemporary gender relations in Australian society, in our everyday lives, the school, the workplace, and the home. To what extent can we explain these relations in terms of women's and men's choices and to what extent in terms of masculinities and femininities, laws and institutions, and the distribution of power and resources in Australian society? The ways that ethnicity, 'race' and class modify and give meaning to gender debates in an Australian and international context will also be a central concern.

## Introduction to Global Politics

POLIS 1102

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Incompatible: POLI 1102
- Assessment: tutorial work, test 1, test 2, research essay

This course provides a comprehensive introduction to global politics, focusing in particular on its origins and historical evolution, its key concepts, major theoretical frameworks, main actors and institutions, the global architecture of power, and its dynamic nature in the process of globalisation. More specifically, the course introduces concepts of power, statecraft, diplomacy, foreign policy, political economy and international security, and examines the evolution of international relations in the 20th and 21st centuries.

The course combines the study of concepts and theories with a range of questions about global politics, including: Why bother with theory? Have we reached 'the end of history'? Why is the world divided in nation-states? What factors influence the foreign policy of states? Is the sovereign state in decline? What is the 'new world (dis)order'? Are we experiencing a 'clash of civilisations'? Why do wars occur? Is there such a thing as a just war? What are the causes of terrorism? How is the world organised economically? Do transnational corporations rule the world? Is free trade the solution to global poverty? What are the main global threats of the 21st century?

These and other questions will be explored through the examination of a wide range of contemporary issues and case studies, including: the rise of China; the resurgence of Russia; the nuclear threat posed by North Korea; the tensions in the South China Sea; the role of the United Nations; the future of the European Union, particularly after Brexit; the increasing power of transnational corporations, such as WalMart, Google and Facebook; the terrorist threat posed by Al-Qaeda and Islamic State; the ongoing conflicts in Syria and Palestine; the humanitarian crisis in Myanmar; the impact of global pandemics (such as COVID-19); and the multiple threats posed by climate change in the 21st century.

## Introduction to International Development

DEVT 1001

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: reflective quiz 10%, tutorial group work 20%, individual report about group work 20%, take home exam 40%, participation 10%.

This course provides an in-depth introduction to the multi-disciplinary field of international development. It introduces students to key concepts and debates in international development, the history of development policies and practices, and the range of multilateral, bilateral and non-governmental organizations that are currently engaged in the field of development. Through case-studies, the course looks at major development issues, such as governance and security, health, education, environmental and natural resource management, and legal reform. Particular attention is paid to the current international development framework of Sustainable Development Goals and the primary goal of eradicating global poverty. In all of these ways, the course encourages students to think critically about what development is, about how and by whom it is carried out and, most importantly of all, about what it can achieve.

## Introduction to Geography, Environment and Population

GEOG 1104

- 3 units - semester 1
- Study commitment: Up to 3 hours per week
- Assessment: tutorial paper (15%), tutorial participation (10%), essay (35%), exam (40%).

The study of geography, population and environment tend to be treated quite separately, but there are strong and important relationships between them. This course focuses on these interactions and explores their implications for Australia's and the planet's future. Key geographical concepts such as space, place and the relationship between people and place are introduced. The contemporary dynamics of population growth, composition and spatial distribution are examined and analysed and the role environmental factors have had in shaping them is explored. Equally too, the impact of population on geographical environments is examined. The constraints that environmental factors, especially water, have placed on the development of the Australian population are investigated, along with the likely influence of future climate change. A particular focus is the changing spatial distribution of the population with issues like urbanisation, 'sea change' and rural depopulation and their interrelationship with the environment being explored. An important focus is on internal and international migration's influence in changing the population size, structure and distribution and how it affects, and is affected by, the environment. Indigenous Australians and their special relationship with the environment is discussed separately. The course will give students a solid introductory grounding in the key concepts in and relationships between geography, environment and population.

## Introduction to Language in Culture and Society

LING 1102

- 3 units - semester 2
- Study commitment: Up to 3 hours per week
- Assessment: practical task 20%, oral presentation 20%, essay 50%, reflective journal 10%.

This course looks at the use of language in society and its relationship to the culture(s) of its speakers. Students are introduced to the broad fields of socio-linguistics and anthropological linguistics. The course studies language variation across regions, ethnicity, social class, gender, age, religion, level of education etc. The course also looks at language as a window into the culture of its speakers, thus serving as a useful tool for anthropologists in coming to understand cultural institutions and the world-view of speakers. A major focus will be on how different languages and language varieties coexist, complement or replace other languages and language varieties or even result in new languages. The course will be activity-based and will encourage students to observe language as it is used around them. They may be required to collect and analyse authentic language data in use within the community.

## Introduction to Logic

PHIL 1110

- 3 units - semester 2
- Study commitment: Up to 3 hours per week
- Assessment: short essay, long essay, 3 online tests.

We live in a complex, rapidly changing, and information rich world; a world where ideas, opinions and facts, and the way we negotiate them, will determine the fate of our species. Argument and Critical Thinking is an introduction to the philosophical study of dialogue, reasoning and argument. It will teach you how to separate facts from opinions, science from nonsense, and sound reasoning from the many varieties of bullshit that assail us all daily. It will provide you with methods for analysing and classifying arguments, and help you identify common errors in reasoning. And it will empower you to engage in constructive dialogue about some of the most politically charged issues of our times, such as climate change, and the status of facts in a post-truth world.

## Introduction to Sociology

SOCI 1003

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: quiz 1 (5%), quiz 2 (20%), written assignment 1 (20%), written assignment 2 (45%), tutorial participation (10%)

This introductory course provides students with the skills to analyse society from a sociological perspective. It examines a number of pressing social problems within contemporary Australian society and offers a comprehensive introduction to the discipline of sociology and its foundational theories. It aims to provide students with the skills to understand examine and explain broad social trends and their impact on the individual. Key sociological concepts covered include class/socioeconomic status, gender, youth, ethnicity, family, work, consumption and location.

## Beginners Spanish A

SPAN 1003

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: 8 x online quizzes 25%, mid-semester test 25%, final test 40%, tutorial participation 10%

The aim of this course is to provide an introductory study in the vocabulary and structures of Spanish, and to develop a functional level of communicative proficiency in the language. The course seeks to develop all the basic language skills: listening, speaking, reading and writing. Students will also be introduced to various aspects of the society and culture of Spain and other Spanish speaking countries in Latin America through audio and video extracts and short texts. The emphasis throughout will be on communicative skills both oral and written.

## Beginners Spanish B

SPAN 1004

- 3 units - semester 2
- Assumed Knowledge: Basic knowledge of Spanish as taught in Spanish 1A
- Study commitment: up to 3 hours per week
- Assessment: 8 x online tests 20%, midsemester test 20%, final test 30%, 600-word composition 20%, tutorial participation 10%.

The aim of this course is to continue with the introductory study in the vocabulary and structures of Spanish, and to develop a functional level of communicative proficiency in the language. The course seeks to develop all the basic language skills: listening, speaking, reading and writing. Students will also be introduced to various aspects of the society and culture of Spain and other Spanish speaking countries in Latin America through audio and video extracts and short texts. The emphasis throughout will be on communicative skills both oral and written.

## Japanese IA

JAPN 1001

- 3 units - semester 1 or winter semester
- Study commitment: up to 4 hours per week
- Prerequisite: no assumed knowledge of Japanese is required.
- This course is for (total) beginners with little or no previous knowledge of Japanese.
- Assessment: weekly online quiz 10%, script (hiragana) and vocabulary test 1 10%, script (hiragana and katakana) and vocabulary test 2 15%, mid-semester test 25%, final oral test 10%, final test, 30%. Japanese IA is designed for beginners with little or no previous knowledge of Japanese.

This course is also ideal for those who wish to consolidate their basic knowledge of Kanji, vocabulary and grammar. The course offers instruction and practice in the four skills of reading, writing, listening and speaking, while introducing the basic grammar and vocabulary of modern Japanese as well as the basic writing system, hiragana, katakana and beginners kanji. In classes, emphasis will be placed on developing students' basic communication skills in both spoken and written Japanese to build a solid foundation at the beginner level. The aims of the course are: i) to enhance and consolidate the introductory grammar; ii) to expand knowledge and use of vocabulary in both conversational and written contexts; iii) to develop communication skills/strategies; iv) to become familiar with hiragana, katakana and basic kanji; v) to become efficient and independent language learners.

## Japanese IB

JAPN 1002

- 3 units - semester 2
- Study commitment: up to 4 hours per week
- Prerequisite: JAPN 1001 or equivalent
- Assessment: weekly online quiz/assignment 10%, test 1 (kanji, vocabulary, grammar, and listening) 25%, test 2 (kanji, vocabulary, grammar, and listening) 25%, final oral test, 10%, final test 30%.

Japanese IB course continues instruction and practice in the four skills of reading, writing, listening and speaking, whilst enabling students to broaden and consolidate their basic knowledge of the Japanese language acquired in Japanese IA. In order to provide a solid foundation at the beginner level in both written and spoken Japanese, literacy skills will be emphasised to further develop towards the elementary level, and communication skills will be reinforced through aural/oral practice in classes. The basic aims of Japanese IB are: i) to enhance and consolidate the introductory grammar; ii) to expand knowledge and use of vocabulary in both conversational and written contexts; iii) to develop communication skills/strategies; iv) to become familiar with new kanji; v) to become efficient and independent language learners.

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## Key Concepts in Media

MDIA 1002

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: online test, digital media analysis, major essay, participation.

This course explores why digital media is being seen as creatively, socially, and politically transformative. What is 'collective intelligence' and how is it empowered by digital tools? How are 'amateur' media makers impacting on mainstream media practices? This course explores the important questions being asked about new digital technologies and encourages critical, reflexive thinking about social media sites. It addresses the links between earlier communication forms and media institutions, through to contemporary digital and mobile technologies. Using online concept videos, large group seminars, and small group tutorials, Key Concepts functions as an introduction to the Bachelor of Media degree and the media major in the Bachelor of Arts. This course orientates students to the key ideas they will develop through their studies such as forms of media interactivity and methods of media analysis, and selected theories and debates about media's historical role in shaping social, cultural, economic, and political relations.

## Media Professions and Identities

MDIA 1020

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: blog/vlog, media skills project, professional practice assessment report, participation.

As a diverse and fast-changing field, it is important to start thinking early about what area or areas of media you are interested in working within. This course prepares students for diverse fields of media work by introducing them to the variety of positions and types of employment that could be of interest and contextualising this variety with critical engagement with theory and practice. Media Professions and Identities introduces students to the expectations of a range of professional media and communications roles within a variety of organisations, including fast-developing media industries, government service and community organisations. You will explore the changing nature of professional media careers and the role of communications professionals in broader industry, government and community environments, and position yourself in response to possible future careers..

## Mind and World

PHIL 1102

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: tutorials, online quizzes, essay 1, essay 2.

Being human is special. Humans are highly intelligent, language-using organisms, who are capable of building complex systems of knowledge, conscious of themselves and their world, and able to freely choose a path through life. So far as we know this combination of abilities is uniquely human. But each is somewhat puzzling. How can we be free if every event is determined by what comes before it? How can words and symbols, which are mere scribbles (or noises), have meanings? And how do organisms with bodies made of physical materials get to be conscious knowers? Philosophers have thought long and hard about these questions. Mind and World is an introduction to some of the answers they've discovered.

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## Morality, Society and the Individual

PHIL 1103

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: reading summary (600 words) 10%, essay 1 (1,500 words) 35%, essay 2 + online quizzes (1,500 words) 35%, online quizzes 10%, tutorial attendance 10%.

Morality plays a part in everyone's life. But what exactly is it, and why is it important? Are there any objective, universal moral truths, or are moral rightness and wrongness in some way relative to societies, or to individuals? Can morality be grounded in religion, or in facts about human nature? This course will ask what constraints a society is morally entitled to impose on its individual members, and what kinds of freedom from interference individuals are entitled to claim from their society. It will also ask how it is possible that anything really matters, if the universe does not itself have a purpose. The course will introduce you to some of the most influential answers that philosophers have given to these questions, and to the arguments they have used to defend their views. But its main aim is to help you to answer them clearly for yourself.

## Musics of the World

MUSGEN 1004

- 3 units - semester 2
- Study Commitment: Up to 3 hours per week
- Assessment: 1500 word written assignment, exam 1, 1000 word written assignment, exam 2.

An introduction to the music and performance of selected world cultures. Music is presented as a form of cultural expression which can be understood in both social and music-stylistic contexts. Students will gain an appreciation of culturally distinct elements of music as well as its more universal qualities. The music and cultural examples we explore draw from select regions of the world (including Australia, Africa, East Asia, Southwest Asia, North America and the Caribbean) and range from ancient ceremonial practices, to traditional court- and folk traditions, to contemporary forms of 'world music' and pop.

## Music Technology Foundations

MUSONIC 1000

- 3 units - summer semester or semester 1 or semester 2
- Study commitment: up to 4 hours per week
- Assumed knowledge: familiarity with basic computer functionality including word processing, email and web usage
- Assessment: assignments, exam, project.

The field of music technology involves the artistic and technical application of technology in the creation and performance of music. This course will develop a theoretical and practical understanding of music technology fundamentals including sound, audio, and MIDI. This will be achieved by theoretically and practically exploring the field of music technology through lectures, tutorials and workshops. In particular, students will: examine a range of areas such as basic sound recording, audio and MIDI editing, sequencing, processing and production, synthesis and sampling, effects and mixing, and graphical programming; complete readings and listening; and perform practical exercises that promote investigative learning and research. The course has the following learning objectives: develop practical skills using a range of core music and sound software and hardware; provide a comprehensive understanding of the theory behind a range of music technologies; develop and expand creative and technical practice in music and sound via technology with a view to develop life-long learning.

## Physical Geography and Human Environmental Impacts

GEOG 1102

- 3 units - semester 2
- Study commitment: up to 3 hours per week, plus a one-day field trip
- Assessment: online quizzes (60%), field work report (or alternative) (40%).

This course examines the heavy burden humans have placed on planet Earth. The functioning of the environment is analysed in order to understand human impacts. A key feature of the course is a focus on the solutions to environmental problems at local to global scales. In the course we first consider indigenous peoples management of the Australian landscape. Then follows an examination of global climate change. Turning to the water cycle, we focus on how the crucial resource of water has been degraded in Australia and around the world. Finally, we examine biological process and the challenges of biodiversity loss, invasive species, fire and forest management, and the importance of wetlands. A one-day field trip focusses on rehabilitation of degraded environments.

## Revolutions That Changed the World

HIST 1109

- 3 units - semester 2
- Study commitment: 3 hours per week
- Assessment: using secondary sources 1 20%, using secondary sources 2 20%, group activity 30%, historical knowledge and understanding 30%

This course will look at some of the great 'turning points' of history that have shaped the world in which we live. This might include the Renaissance and Reformation of the fifteenth and sixteenth centuries, the 'Scientific Revolution' of the seventeenth and eighteenth centuries, the Industrial Revolution of the nineteenth century, the 'Sexual Revolution' of the twentieth century, as well as great political revolutions such as the American, French, Russian and Chinese. Students will actively engage with the central question of why human history in the last 500 years has witnessed periods of profound transformation. Were they driven primarily by technological and economic developments, or were new ideas and philosophies the most important agents of rapid historical change? What role was played in these transformations by individuals and by governments? What exactly do we mean by the term 'revolution', and how legitimately can the word be applied to the events that we cover in this course?

This course has three main objectives. Firstly, it will ask students to engage with some of most important debates about the factors that led to rapid historical change. Secondly, the course furnishes students with an overview of the 'big picture' of world history across the last 500 years. Students will acquire essential contextual knowledge which will enrich their understanding of almost any subsequent course they take in history or the humanities. Thirdly, the course will facilitate students' understanding of the world in which they live by exploring some of the key developments that have shaped our common history. The course allows for insights into our own rapidly changing era by exploring other revolutionary episodes in our past. Note: this course is very different from the 'revolutions' component of SACE

## Screen and Sound Industries

MDIA 1015

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Incompatible: MDIA 1004
- Assessment: online quizzes 10%, screen or sound analysis 30%, major assignment 50%, participation 10%.

This course investigates how screen and sound industries are being profoundly reshaped in a rapidly changing media landscape. You will gain knowledge about the history, evolution and proliferation of screen and sound industries, including television, radio, film and music, and examine current shifts in the production and consumption of screen and sound products. Topics will include: screen and sound industry trends; audience engagement; emerging business models and revenue streams; production conventions and genres; and screen and sound promotion and advertising strategies. You will gain foundational skills in media analysis and knowledge of the relationships between screen and sound products, industries and audiences. You will have the opportunity to undertake a practical option related to screen or sound production as part of your assessment.

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## Social Problems

SOCI 1004

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: online test, periodic quizzes, lecture and reading notes exercise, essay (1500 words).

Issues such as poverty, unemployment, poor health, crime, drug addiction, homelessness, illiteracy and dysfunctional families are all labelled as 'social problems'. Consequently, through public policy the state seeks solutions to reduce the negative impacts of these and similar harms. In this course you will explore the ways in which such social problems become defined. This includes an exploration of the different worldviews and theoretical perspectives that shape how we see social problems and the effects of different ways of defining social problems across time and cultures. Through learning to analyse how issues are problematised, you will gain insights into the social framing of contemporary policy initiatives. Key to this course is the focus on a range of social problems and the use of sociological theory to understand the social-economic processes surrounding the construction of issues as social problems and attempts by policymakers to address them.

## Sonic Arts in Practice 1

MUSONIC 1300

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assumed knowledge: understanding of and experience with using computers for musical composition and performance
- Assessment: workshop attendance and participation 10%, journal/blog entries 20%, class presentations 20%, performance outcomes 50%.

This project-oriented course allows students to develop collaborative sonic arts projects in diverse creative fields such as composition, live performance, installations and multimedia. Project concepts are researched and developed, subjected to discussion and debate, and presented or performed. The objectives of the course are to develop an understanding of the dynamics of collaborative work, to enhance problem solving skills in using technology in diverse situations, and to allow students to explore creative media which may cross boundaries between art forms.

## Sound and Media

MUSONIC 1010

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: exam 1 25%, essay (1500 words) 30%, exam 2 45%.

This course focuses on the following content:

1. the use of sound in the media, with attention to film, television, games;
2. the concepts of montage and collage and their application to sound for media;
3. media and sound editing concepts and techniques;
4. detailed scene analysis of examples from films, television, games;
5. psychological and aesthetic aspects of sound in media;
6. the role of sound in the construction of the media;
7. technological basis of sound in the media;
8. historical development of sound in the media.

## Superheroes: Cinema and Comics

MDIA 1016

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: data visualisation and reflection, research essay and annotations, major project, participation.

One of the of the most popular forms of media of the early 21st century is interconnected superhero films inspired by comic books. In this course, you will gain a deeper understanding of these films and comics, their historical influences, and the roles they have played in wider cultural debates about identity, power, ethics and society. We will use cutting-edge digital tools to research these films and build important skills in data collection and analysis.

During classes, we will use digital humanities methodologies to conduct critical and participatory viewings of the films. You will approach each film with a research question and work with other students to generate data. Over the course of the semester, we will collaboratively build a database that charts a variety of factors across the series of films, including characters, emotions, themes, and influences.

Using this crowd-sourced data, theoretical readings, and the comics that inspired the films, you will dive deep into the patterns, meanings and cultural codes that lie beneath the surface of these massively influential movies. You will be able to demonstrate your understanding of these movies by producing data visualisations, critical responses and creative reflections. In this way you will gain critical thinking skills, expand your digital capabilities, and develop a deeper understanding of the roles popular media play in society.

## Writing and Composition

ENGL 1112

- 3 units - semester 2
- Study Commitment: Up to 3 hours per week
- Assessment: online quizzes, writing portfolio (1200 words), short essays (1200 words).

This course provides comprehensive instruction in the fundamentals of academic writing, with particular attention to grammar and syntax, argumentative structure, scholarly norms and expectations, voice and diction, and the elements of style. Drawing on a wealth of literary illustrations, and developing a student-centred practical learning methodology, the course fits out a transferable writing tool-box for students expecting to write essays, prepare reports, sit examinations, and progressively build a persuasive critical 'persona' in their written compositions. It serves as a foundation in the art of written expression and argumentation and extensively develops high-level communication skills for all who expect to reflect, impress, and be persuasive in their future written work.

## The Wonder of Language: An Intro to Linguistics

LING 1101

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: 4 x practicals 15% each, test 30%, participation engagement (reflection journal) 10%.

Language makes us human. Language allows humans to accumulate knowledge and transmit knowledge from one generation to the next and to communicate from one part of the world to the other. Language enables us to think, to analyse and to reflect. Different languages allow us to view the world in different ways. Language is much more than communication.

Linguistics is the study of human language, its nature, its origins and its uses. This course will give students an overview of the field of modern linguistics and basic skills in linguistic analysis. The Wonder of Language develops understandings of the various subsystems of language including phonology, morphology, syntax, semantics and the lexicon. It also investigates how languages are learned and how they change over time. As language is involved in a large number of human activities, linguistics contributes to many other fields of inquiry, including anthropology, psychology, philosophy, law and the natural sciences.

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## 3D Imaging

MDIA 1017

- 3 units - semester 1
- Study commitment: up to 3 hours per week
- Assessment: online quizzes 20%, proposal and justification 15%, reflective journal 20%, final project 45%.

This course introduces students to foundational skills and theories of producing three dimensional images, models, and textures with digital technologies. Key concepts covered in this course include 3D modelling fundamentals and theories, introduction to key tools and software, applying mathematical basics, identifying and analysing end use scenarios for 3D models, and engaging in basic modelling. In 3D Imaging, students in the Story Production and Immersive Media majors will ground their practical skills within a theoretical context, while students in other programs will gain insight into the practice, challenges, and capabilities of producing 3D models.

## Understanding Criminology

CRIM 1001

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: online weekly quiz, research exercise, hypothetical report, research essay, tutorial participation.

This course offers an introduction to the field of criminology by examining the nature of crime as well as exploring the key theories which seek to explain why people commit crime. While the first part of the course briefly introduces the concept of crime, its social construction and its various representations, the second component covers an array of theoretical arguments concerning possible explanations as to why crimes are committed, and how certain deviant acts become problematised. Topics covered in this latter section include criminological arguments drawing on Classicism, Biological and Psychological Positivism, Sociological Positivism, Subcultural Theories, Interactionism and Labelling, Social Control Theories, Cultural and Critical Perspectives, and Contemporary Classicism. Ultimately the question is posed whether the insights offered into the varied motivations to commit crime are practically useful in its prevention or reduction.

## What is This Thing Called Art?

CRARTS 1001

- 3 units in Semester 2
- Study commitment: up to 3 hours per week
- Assessment: participation 10%, textual analysis 20%, annotated bibliography 30%, research essay on an artwork 40%.

Can a toilet be considered a work of art? Who decides what art is? According to many scholars, when Marcel Duchamp exhibited a urinal he purchased from a plumbing warehouse under the title 'Fountain' in a New York art exhibition in 1917, he created one of the most iconic works of art of the twentieth century. Duchamp's action challenged received notions of art, such that now, according to Theodor Adorno, it is 'taken for granted that nothing which concerns art can be taken for granted any more: neither art itself, nor art in relationship to the whole, not even the right of art to exist'. In this course we will examine art as just such a contested category, and consider some of the ways in which the arts have been understood across human history. The course encompasses all forms of art, from the literary and visual to the performing and decorative, and will be organised thematically around a series of questions and topics. We will discuss some definitions of art and we will examine the relationship of art to ideology, the economy and the state, to gender and social class, and we will discuss some of the debates about the social functions of art and the notion of taste. Above all, the course will encourage students to think critically about the very notion of art and to begin to question their own practice as makers of art in contemporary culture.

# Business and Commerce

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## Introductory Accounting

ACCTING 1002

- 3 units - semester 1 or 2
- Study commitment: Up to 3 hours per week
- Assessment: tests, assignments and final exam.

The objective of the course is to provide an introductory knowledge of accounting to students of all disciplines such as business, professions, economics, arts, languages, law, food & nutrition, sciences, maths, computer science, psychological science, health & medical sciences, and engineering, health, medical and sciences. A general overview of accounting principles relating to the preparation of financial and managerial reports will be presented. The primary focus is to illuminate how accounting information is utilised by a variety of stakeholders in planning, controlling and investing decisions. Topics included are accounting information in its decision-making context, recording of accounting transactions, understanding and analysing financial statements, cost behaviour, determination of product costs, cost-volume-profit analysis, performance management, and budgeting.

## Business Finance

CORPFIN 1002

- 3 units - semester 1 or 2
- Study commitment: up to 3 hours per week
- Assessment: exam, assignments, tests and tutorial work as prescribed at first lecture.

This course examines firm investment and distribution decisions in the context of a capital market structure and efficiency. Valuation methods are developed for valuing projects and securities. Basic portfolio theory is discussed to develop simple asset pricing models and used for determining the cost of capital for use in investment evaluation. The implications of different financing options (debt and equity) are considered and elementary capital structure theorems are presented, in relation to which the dividend decisions are analysed. The question of market efficiency is considered and its implications for trading strategies are discussed.

## Business Lifecycles

ENTREP 1000

- 3 units - semester 1 or 2
- Study commitment: Up to 3 hours per week
- Assessment: simulations, tests multiple choice quizzes and reflective journal.

This course uses a lifecycle perspective of the firm to develop students' understanding of the interrelated nature of the different business disciplines required to establish and grow a business successfully. With the use of an online business simulation game, student groups compete with each other in growing a business in a virtual world while learning about the role of entrepreneurship, strategy, marketing, finance, business structures, management, accounting, taxation, and exit and succession planning. The course will appeal to those who are interested in starting up their own business, as well as those intending in becoming business advisors, leaders or policymakers.

## Entrepreneurial Foundations and Mindset

ENTREP 1011

- 3 units - semester 1 or 2
- Study commitment: up to 3 hours per week
- Assessment: individual assignment, team project, exam.

This course focuses on the development of new skills and the cultivation of an entrepreneurial mindset. Skills learnt in this course prepare students for creating their own entrepreneurial career path, becoming a valued corporate team member (intrapreneur), or using their own enterprising skills within government or the not-for-profit sector. Students will understand the theoretical concepts behind the nature and importance of entrepreneurship, use a number of tools/frameworks/models to identify and assess opportunities, and engage in experiential learning activities to develop their entrepreneurial mindset.

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## Introduction to Marketing

MARKETNG 1001

- 3 units - semester 1 or 2
- Study commitment: Up to 3 hours per week
- Assessment: exam, assignments, tests and tutorial work as prescribed at first lecture.

This course is designed to provide students with an understanding of the principles of Marketing. There will be a focus on the management of the marketing activities and how marketing relates to overall organisational functioning, including the management of exchange processes between business units and consumers and between firms. It will include topics such as environmental analysis, industry and competitor analysis, objective setting, marketing strategies and marketing mix components such as pricing, distribution, product and service development and promotion including both traditional and digital marketing communication. Additionally, the course will provide opportunities for the practical implementation of the concepts covered and the development of problem-solving skills by means of face-to-face seminars and tutorials and online learning.

## Managing Organisations and People

COMMGMT 1001

- 3 units - semester 1 or 2
- Study commitment: Up to 3 hours per week
- Assessment: exam, assignments, tests and tutorial work as prescribed at first lecture.

This course introduces students to the roles and functions of managers. The content includes an introduction to organisations and the need for and nature of management. It examines the evolution of management theory, organisational environments, and corporate social responsibility and ethics. The course also includes a detailed investigation of the four functions of management: planning and decision making, organising, leading and motivating, and controlling.

## Foundations of Project Management

PROJECTMGNT 1001

- 3 units - semester 1
- Study commitment: Up to 3 hours per week
- Assessment: quizzes, assignment.

This course introduces students to the basic theory and principles within generic project management. It covers project management historical context, definitions and terminologies, the project environment and project manager roles. It provides students with an understanding in respect to project charters, project management plans and associated documents. It also introduces various tools and techniques as well as providing an overview of project management lifecycles, processes and knowledge areas.

# Computer Science

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## Object Oriented Programming

COMP SCI 1102

- 3 units - semester 1\* or 2
- Study commitment: Up to 6 hours per week
- Assumed knowledge: SACE Stage 1 Mathematics or equivalent
- Prerequisites: ENG 1002
- Assessment: written exam and assignments.

*\* SACE Stage 2 Mathematical Methods is a prerequisite for entry to the Bachelor of Computer Science and may be studied concurrently.*

This course introduces the concepts of object-oriented programming to students with a background in the procedural paradigm. It is designed as an entry-level programming course for students who have prior programming experience, gained in ENG 1002. The course begins with a brief review of control structures and data types with emphasis on structured data types and array processing. It then moves on to introduce the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Topics include an overview of programming language principles, simple analysis of algorithms, basic searching and sorting techniques, and an introduction to software engineering issues.

*\* Only students with prior programming experience who are confident in their programming ability would be considered for Semester 1 entry, without completing ENG 1002.*

## Programming (MATLAB and C)

ENG 1002

- 3 units - semester 1 or 2
- Study commitment: Up to 6 hours per week
- Assumed knowledge: None
- Assessment: assignments, project, exam.

*\* SACE Stage 2 Mathematical Methods is a prerequisite for entry to the Bachelor of Computer Science and may be studied concurrently.*

All modern engineering projects use programming for data analysis and problem solving. This course introduces the fundamental concepts of procedural programming using the MATLAB programming environment. Programming topics include: MATLAB syntax and semantics; data types, control structures, and functions; working with files and data; and the mechanics of running, testing, and debugging code. Problem-solving topics include: the role of algorithms in the problem-solving process; implementation strategies for algorithms; and the concept and properties of algorithms. This course continues with a C module, which introduces low-level programming concepts including memory and pointers, used for microprocessor programming in later years.

# Economics

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## Australia in the Global Economy

ECON 1002

- 3 units - semester 1
- Study Commitment: Up to 3 hours per week
- Assessment: typically tutorial work, essays or papers, group presentation and final exam.

How has the global economy shaped Australia? How has Australia become so rich? What are the current economic issues Australia faces? Lectures will look into some of Australia's economic history as well as examining some of the country's current issues such as labour markets and industrial relations, international trade and finance, Australia's political economy, its agriculture, mining and manufacturing sectors. The course will deepen students' understanding of the world around us and its impact on the way we live and work.

## Data Analytics

ECON 1008

- 3 units - semester 1 or 2
- Study commitment: Up to 4 hours per week
- Assessment: typically tutorial participation and/ or exercises, assignments, tests and final exam. In today's world, good decision making relies on data and data analysis.

This course helps students develop the understanding that they will need to make informed decisions using data and to communicate the results effectively. The course is an introduction to the essential concepts, tools and methods of statistics for students in business, economics and similar disciplines, though these tools are also useful in many other real-world settings. The focus is on cpts, reasoning, interpretation, and thinking that build upon computation, formulae and theory. Students will be required to clearly and effectively communicate and visualize their ideas, analyses, and results. The course covers two main branches of statistical data analysis: descriptive statistics and inferential statistics. Descriptive statistics includes data collection, exploration, and interpretation through numerical and graphical techniques such as charts and visual representations. Inferential statistics includes the selection and application of correct and suitable statistical techniques in order to make estimates or test claims about data based on a sample. By the end of this course, students should understand and know how to use statistics in real-world settings. Students will also develop some understanding of the limitations and misuse of statistical inference as well as the ethics of data analysis and statistics.

## International Financial Institutions and Markets

ECON 1009

- 3 units - semester 1 or 2
- Study commitment: two lectures and one tutorial per week
- Assessment: typically tutorial participation, written assignments, mid-semester exam, optional group assignment and final exam.

This course provides an introduction into the institutions, markets and securities that form the basis of modern financial and monetary systems. Australian as well as international economies and their financial systems will be considered with reference to current financial news and current affairs. This course also introduces some of the main concepts and methods used in financial and monetary economics and provides a sound basis for students progressing to the study of monetary economics, financial economics and international finance at higher levels within the University. At the same time, it is a valuable, self-contained and up-to-date overview of international financial markets and institutions for non-specialists.

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## Principles of Economics

ECON 1012

- 3 units - semester 1 or semester 2
- Study Commitment: Up to 3 hours per week. Intensive in Summer Semester.
- Assessment: typically, tutorial assignments, online learning activity and final exam.

This course provides an introduction into a broad range of economic concepts, theories and analytical techniques. It considers both microeconomics - the analysis of choices made by individual decision-making units (households and firms) - and macroeconomics - the analysis of the economy as a whole. The use of a market, supply and demand, model will be the fundamental model in which trade-offs and choices will be considered through comparison of costs and benefits of actions. Production and market structure will be analysed at the firm level. Macroeconomic issues regarding the interaction of goods and services markets, labour and money at an aggregate level will be modelled. The role of government policy to address microeconomic market failures and macroeconomic objectives will be examined.

## Using Big Data for Economic and Social Problems

ECON 1013

- 3 units - semester 2
- Study commitment: one lecture and one tutorial (3 hours of contact) per week
- Assessment: typically, active participation, group project, mid-term exam and final exam.

This course will show how “big data” can be used to understand and solve some of the most important social and economic problems of our time. The course will give students an introduction to important relevant economic concepts and frontier research in applied economics and social science related to policy making. Topics may include equality of opportunity, discrimination, education, health care, and climate change besides others. The course will also provide an introduction into basic statistical methods and data analysis techniques relevant for big data approaches, which may include regression analysis, causal inference, and quasi-experimental methods. The course will also provide an introduction into data visualisation, data management, and basic statistical methods and data analysis techniques relevant for big data approaches, which may include regression analysis, causal inference, and quasiexperimental methods.

# Engineering

## Electronic Systems

ELEC ENG 1101

- 3 units - semester 1
- Study commitment: typically 2 hours per week, up to 6 hours in weeks with practicals
- Assessment: final exam, mid-semester tests, online tests, tutorial participation and practical work

This course develops a basic understanding of the fundamentals and principles of analog and digital circuits and electronic devices. This understanding is a critical step towards being able to design new electronic circuits or use them appropriately as part of a larger engineering system. Hence the course seeks to develop foundational concepts and skills, but does so through a series of application-oriented topics such as the design of DC power supplies, speed control of electric motors, audio amplification and simple digital control. Learning opportunities include: online presentations with integrated practice exercises; tutorials in which small teams work together to explore, discuss, analyse and explain electronic circuits; and practicals in which theory is put to practical application. Important topics covered include: the key electrical variables and the application of fundamental circuit laws and theorems to DC and AC resistive circuits; power supply applications of diodes and switch-mode transistors; the operating principles of DC, induction and synchronous machines; analysis of simple operational and single-MOSFET amplifiers; Boolean logic and binary arithmetic; and combinational and sequential logic circuits. The course is designed to be a broad introduction to electronic systems for students from diverse engineering disciplines. Completing the course will provide the necessary foundation to understand the role, capabilities and constraints of electronics in contemporary engineering systems.

## Introduction to Environmental Engineering

CEME 1001

- 3 units - semester 1
- Study commitment: up to 3 contact hours per week
- Assessment: assignments, in-class quiz, exam.

This course provides an overview to different aspects of Environmental Engineering. Students will perform an Environmental Impact Assessment for a large infrastructure project (e.g. mine site, new hospital), covering a wide range of processes (soil, air, water, hydrological cycle, nutrient cycles) and resulting in an environmental impact statement report. The interconnectedness of the environmental system is emphasized, including links to human interactions, including concepts of sustainability, resilience, pollution (noise, air, water), legislative and regulatory requirements, impact assessment and management options.

## Introduction to Infrastructure

CEME 1002

- 3 units - semester 2
- Study commitment: up to 4 hours per week
- Assessment: assignments, in-class quiz, exam.

This course explores the central role of infrastructure in society, both locally and globally. It examines the different elements of infrastructure and incorporates links with industry and real-life experience from technical, social, environmental, economic and sustainability perspectives. Students work in small groups to create civil engineering analyses, designs and drawings. The group work will develop the key engineering attributes of working together in a team and professional communication skills.

## Introduction to Petroleum Engineering

PETRO ENG 1006

- 3 units - semester 1
- Study commitment: up to 5 hours per week, plus field trip
- Assumed knowledge: SACE Stage 2 Mathematical Studies, Specialist Maths and Physics
- Assessment: selected practical exercises, Field camp report, theory exam, in-class test.

The aim of the course is to provide students with a broad overview of introduction to petroleum engineering in order that advanced courses in subsequent years can be understood within a broader petroleum engineering context. This course covers introductions to petroleum drilling, completions and production, reservoir mechanics, fundamentals of rock and fluid properties, composition and PVT properties of petroleum fluids; basic physical and chemical properties of petroleum reservoir fluids related to reservoir processes and production. It also provides an introduction into decision-making and the petroleum business environment.

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## Introduction to Subsurface Geoscience and Geoenergy

PETRO ENG 1005

- 3 units - semester 1
- Study commitment: up to 5 hours per week, plus field trip
- Assumed knowledge: SACE Stage 2 Mathematical Studies, Specialist Maths and Physics
- Assessment: selected practical exercises, Field camp report, theory exam, in-class test.

This course provides an introduction into geology and subsurface geoscience (first half of the semester) and an introduction to GeoEnergy resources (second half of the semester). No prior knowledge in geology is assumed and the course starts from basic geological concepts (e.g. minerals, igneous rocks, sedimentary rocks, metamorphic rocks, rock deformation and geological time) then moves onto critical concepts in GeoEnergy resources (e.g. source rocks, reservoir rocks, sealing rocks, maturation, migration and trapping of hydrocarbons, carbon capture and storage) and finally introduces the tools used in the safe and sustainable exploration for subsurface GeoEnergy resources (seismic surveying, drilling and logging). Throughout the semester one lecture per week is also given by a guest speaker in order to provide an overview of the GeoEnergy industry. Theoretical concepts introduced during the lectures are applied during series of interactive practicals addressing topics including rock and mineral identification, geological mapping and seismic interpretation.

## Resources and Energy in a Circular Economy

CEME 1003

- 3 units - semester 2
- Study commitment: Up to 4 hours per week
- Assessment: assignments, in-class quiz, exam.

The dominant linear economy (make > use > dispose), wastes resources, is economically inefficient and leads to environmental damage. In a circular economy, the maximum value is extracted from resources in use, then products and materials are recovered and regenerated at the end of each service life. This course will introduce students to the systems thinking that is required to develop technological solutions and businesses models that contribute to making our economy more circular. Course outcomes 1. Recognise, explain and discuss how materials and energy flow through our economic system 2. Apply a systems approach to developing circular economy models to keep materials and energy at their highest value 3. Recognise and distinguish between strategies to achieve a more circular economy, including resource and waste management, eco-efficiency, clean production, industrial ecology, and how technology such as big data facilitates this 4. Understand how to apply life cycle approaches to quantifying environmental impacts of products or systems, including embodied energy 5. Have experienced or been exposed to energy systems concepts, including sustainable options for production, utilisation and optimisation of energy 6. Scope, investigate, critically analyse and synthesise information to design a creative and sustainable alternative to a “linear” model in a predefined context.

# Health and Medical Sciences and Psychology

## Essentials of Neuroscience

HLTH SC 1001

- 3 units - semester 2
- Study commitment: up to 4 hours per week three one-hour lectures, plus a one-hour weekly tutorial
- Assessment: quizzes, group tutorial exercises, literature review and an end of semester exam.

This course is designed to introduce students to essential concepts in the field of neuroscience. The course will begin with a basic introduction to the brain and the history of neuroscience. Later modules will explore the cellular composition of the nervous system, the process of neuronal communication, basic gross neuroanatomy, the neural basis of sensation and perception and the relationship between the brain and human behaviour.

## Health and Illness in Populations

PUB HLTH 1001

- 3 units - semester 1 or semester 2
- Study commitment: two one-hour lectures, and one tutorial per week
- Assessment: written assignments, online activities, quizzes, tests and participation.

Health and Illness in Populations aims to introduce students interested in health sciences careers such as public health practice, health-related research, or clinical practice, to a population view of health. It draws on a range of disciplines that contribute to a focus on the health of populations, including epidemiology, health promotion and disease prevention, history, politics, and ethics. The course invites students to develop a critical view about what constitutes public health issues, how they are measured, and potential responses to improve population health.

## Human Anatomy and Physiology IA

ANAT SC 1102

- 3 units - semester 1 or semester 2
- Study commitment: Three one-hour lectures and one tutorial per week, plus a one-hour practical per fortnight
- Assessment: research-based assessment tasks, online quizzes, multiple choice tests and an end of semester exam.

Are you preparing for a health-related career, or simply keen to learn more about how our amazing bodies function in both health and disease? Human Anatomy and Physiology provides students with an introduction to the anatomical structures and physiological functions of the human body. Students will investigate the relationships between normal structure and function in human cells, tissues and organs.

## Human Anatomy and Physiology IB

ANAT SC 1103

- 3 units - semester 2
- Study commitment: three one-hour lectures and one tutorial per week, plus a one-hour practical per fortnight
- Prerequisites: None, but ANAT SC 1102 Human Anatomy and Physiology IA is assumed knowledge
- Assessment: research-based assessment tasks, online quizzes, multiple choice tests and an end of semester exam.

Human Anatomy and Physiology provides students with an introduction to the anatomical structures and physiological functions of the human body. Students will investigate the relationships between normal structure and function in human cells, tissues and organs. Human Anatomy and Physiology IB build on content presented in Human Anatomy and Physiology IA.

## Introduction to Forensic Sciences

HLTH SC 1000OL

- 3 units - semester 1 or 2
- Study commitment: up to 3 hours per week with lectures and required reading
- Assessment: online tests and examination.

This course aims to provide students with an overview of a variety of topics within the area of Forensic Sciences including Crime scene Investigation, Forensic photography, Digital Forensics, Ballistics, Fingerprinting, Court and police organisational structures and Forensic DNA analysis. Topics to be covered also include identification of the deceased and disaster victim identification structures.

## Principles of Human Health and Disease

HLTH SC 1005

- 3 units - semester 2
- Study commitment: up to 3 hours per week
- Assessment: in-class examinations; online quizzes; active engagement at one of two special lecturers on offer; referenced essay.

Foundation concepts in anatomy, physiology, pharmacology and pathology will be presented via lectures clustered into six themes. Each theme (selected from topics such as hypertension, cardiovascular disease; neurodegenerative disease; metabolic syndrome, cancer and reproductive disorders) will begin with a case-study description of human clinical symptoms. This introduction will be followed by a guided exploration of the case to gain a greater understanding of the basic concepts that explain human health and disease.

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## Psychology IA

PSYCHOL 1000

- 3 units - semester 1
- Study commitment: one workshop or tutorial per week, lectures available online
- Assessment: module assessment exercises, research evaluation assignment, research participation and online study exercises.

This course, together with PSYCHOL 1001, provides an introduction into the basic concepts and core topics within contemporary psychology. The two courses may be taken individually or in combination. Core topics covered over the year include:

- the development of the individual over the lifespan
- the study of the person in a social context
- differences between people with respect to their intelligence and personality
- issues related to individual adjustment and maladjustment
- the biological bases of behaviour
- the interpretation by the brain of sensory signals from the external environment
- the mechanisms underlying learning
- the encoding, storage and retrieval of information
- the nature of motivation and emotion
- culture and cross-cultural psychology.

The course will also provide an introduction into the methodological approaches employed by psychologists to study these topics. Major findings to emerge from psychological research will be presented, and the practical significance of such work will be discussed. Practical work will address the conventions of psychological report writing and the ethical principles underlying psychological research and practice.

## Psychology IB

PSYCHOL 1001

- 3 units - semester 2
- Study commitment: one workshop or tutorial per week and online lectures
- Assessment: module assessment exercises, research evaluation assignment, research participation and online study exercises.

This course, together with PSYCHOL 1000, provides an introduction into the basic concepts and core topics within contemporary psychology. The two courses may be taken individually or in combination. Core topics covered over the year are noted in PSYCHOL 1000.

## Research Methods in Psychology

PSYCHOL 1004

- 3 units - semester 1
- Study commitment: Up to 3 hours per week
- Assessment: short answer major assignment, multiple choice exam, tutorial participation and multiple-choice quiz.

This course introduces students to the basic principles of research methods in Psychology. The focus of the course is on students learning how to undertake research in psychology, with an emphasis on student-centred activities and problem solving. Students will learn about such key concepts as:

- the scientific method
- operationalising constructs
- independent and dependent variables
- data types and ways of measurement
- confounding variables
- experimental and non-experimental design
- questionnaire construction
- developing and testing hypotheses
- descriptive statistics and describing data graphically
- the ethics of research.

# Law

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## Foundations of Law

LAW 1501

- 3 units - semester 1 and semester 2
- Assessment: typically will include group work in seminars, written assignments during the semester, and an exam.

This course provides a foundation in the core legal skills of case reading and analysis, legal research, statutory interpretation and problem solving. It also introduces students to basic legal philosophy, and incorporates a module introducing students to Australian Indigenous legal systems and their interaction with the colonial legal system in Australia.

# Mathematics

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## Mathematics IA

MATHS 1011

- 3 units - semester 1 or 2
- Study commitment: Up to 6 hours per week
- Prerequisites: a grade of at least A in both SACE Stage 2 Mathematical Methods and Specialist Mathematics
- Assessment: assignments, test, exam.

This course, together with MATHS 1012 Mathematics IB, provides an introduction into the basic concepts and techniques of calculus and linear algebra, emphasising their interrelationships and applications to engineering, the sciences and financial areas, introduces students to the use of computers in mathematics, and develops problem solving skills with both theoretical and practical problems.

Topics covered are:

- **Calculus**  
Functions of one variable; differentiation and its applications; the definite integral; techniques of integration.
- **Algebra**  
Systems of linear equations; subspaces; matrices; optimisation; determinants; applications of linear algebra.

## Mathematics IB

MATHS 1012

- 3 units - semester 1 or 2
- Study commitment: Up to 6 hours per week
- Prerequisites: MATHS 1011
- Assessment: assignments, test, exam.

This course, together with MATHS 1011 Mathematics IA, provides an introduction to the basic concepts and techniques of calculus and linear algebra, emphasising their interrelationships and applications to engineering, the sciences and financial areas, introduces students to the use of computers in mathematics, and develops problem solving skills with both theoretical and practical problems.

Topics covered are:

- **Calculus**  
Differential equations; sequences and series; power series; calculus in two variables.
- **Algebra**  
Subspaces; rank theorem; linear transformations; orthogonality; eigenvalues and eigenvectors; singular value decomposition; applications of linear algebra.

# Sciences

## Biology I: Human Perspectives

BIOLOGY 1201

- 3 units - semester 2
- Study commitment: three one-hour lectures per week, and four three-hour practicals per semester and three one-hour small group research experience per semester.
- Assumed knowledge: BIOLOGY 1101 or other biology experience that includes molecules of life
- Assessment: end of semester exam, theory tests, practical assessment and group research project.

This course builds on fundamentals of biology that have been developed in Molecules, Genes and Cells. The course takes molecular, cellular, whole body, population and evolutionary approaches to understanding biology as it pertains to human function and the interactions of the body with the environment. In many cases, our understanding of human function is best derived for studies of mammalian and non-mammalian organisms, and where appropriate, such models will be discussed.

The themes that will be covered include:

- regulation of gene expression
- cell biology
- cell signalling
- microbiology
- immunology
- virology
- development
- human evolution

Sessions, which provide opportunities to integrate the information and demonstrate how it provides an understanding of normal human function and of disease, will be a regular feature of the course.

## Biology I: Molecules, Genes and Cells

BIOLOGY 1101

- 3 units - semester 1
- Study commitment: two one-hour 'lectorials' per week with online videos that need to be viewed beforehand, one-hour workshop per week, plus three-hour practical per fortnight
- Assumed knowledge: Familiarity with general biology and fundamental general chemistry
- Assessment: end of semester exam, MCQ tests, and practical (laboratory) class assessment.

The cell biology, molecular biology and genetics focus of this course is complemented by different aspects of biology in Semester 2 BIOLOGY courses. Students in this course come from a very broad range of programs and academic backgrounds. Learning is supported by online resources, active-learning lectures, regular quizzes, workshops to practice application of knowledge, and laboratory practicals. Core concepts are explored using diverse examples.

Topics to be covered include:

- macromolecules and the chemistry of life
- cell structure and function including membranes and organelles
- storage and utilisation of energy by cells (metabolism and photosynthesis)
- molecular genetics: from DNA to protein and phenotype
- genetics: patterns of inheritance

## Biology I: Organisms

BIOLOGY 1202

- 3 units - semester 2
- Study commitment: three one-hour lectures per week, one-hour workshop per week, plus three-hour practical per fortnight
- Assumed knowledge: Familiarity with general biology and an interest in the diversity of life on Earth
- Assessment: end of semester exam, MCQ tests, and practical (laboratory) class assessment.

This course focuses on the biology and diversity of multi-cellular organisms, with evolution as the central theme. It addresses key questions in biology: What are plants and animals? How do they evolve? How do they function? How do they interact with other organisms and the environment? The course is divided into four broad topics:

- evolution and diversity
- plant biology
- animal biology
- ecology

## Building a Habitable Planet

GEOLOGY 1103

- 3 units - semester 1
- Study commitment: three one-hour lectures and one three-hour practical per week plus one field trip
- Assessment: theory exams, practical work and field trip exercises.

This course is about Earth's transformation to a habitable planet. It starts with the construction of the planet in the solar nebula, to Earth's transformation to a warm wet greenhouse planet, through the evolution and extinction events that shaped and still shape life on the planet. We look at the water world that is our earth; the hydrosphere, atmosphere and the oceans. We finish with a look at our human effects on the earth's system, and take a look at our extraordinary Australian environment. We undertake a day long field excursion to see some of this environment first-hand.

## Chemistry IA

CHEM 1100

- 3 units - semester 1
- Study commitment: three one-hour lectures per week, a one-hour workshop per week and six three-hour practicals
- Prerequisites: SACE Stage 2 Chemistry with an achievement grade of at least C+ (or equivalent)
- Assessment: exam, practical work, online summative work and lecture tests.

This course covers the following topics:

- Structure Determination - the importance of molecular shape and how chemists determine the structure of compounds using spectroscopic techniques including ultraviolet, infrared and nuclear magnetic resonance spectroscopy.
- Acids and Bases - aspects of acid/base equilibria.
- Atoms to Molecules - structure of the atom and molecular bonding.
- Periodicity and the Main Group - chemistry of the main group metals and non-metals.
- Transition Metal Chemistry - an introduction to bonding in transition (d-block) elements, coordination complexes, bioinorganic systems

## Chemistry IB

CHEM 1200

- 3 units - semester 2
- Study commitment: three one-hour lectures, a one-hour workshop per week and six three-hour practicals
- Prerequisites: SACE Stage 2 Chemistry Subject with an achievement grade of at least C+ (or equivalent)
- Assumed knowledge: CHEM 1100
- Assessment: exam, practical work, online summative work and lecture tests.

This course covers the following topics:

- Energy and Equilibrium - the relevance of intermolecular forces, chemical equilibrium, energy considerations and chemical reactivity applied to aspects of chemistry and biochemistry.
- Kinetics and Electrochemistry - aspects of kinetics and electrochemical processes.
- Synthetic and Bio-organic Chemistry - an introduction to chemical synthesis with particular reference to addition and substitution reactions. Strategies for synthesis and properties of biologically significant molecules will also be addressed.

## Ecological Issues I

ENV BIOL 1002

- 3 units - semester 2
- Study commitment: Up to 6 hours per week, plus field trip
- Assessment: Tests, written assignments.

The principal aim of this course is to provide students with the knowledge that will enable them to participate actively in a rational debate about environmental problems. It introduces the 'scientific method' and illustrates its use via laboratory and field practicals that are written up as reports. The lectures cover the significant environmental issues of: resource utilisation and waste, ecosystem services and ecological footprints, global cycles, Australian landscapes and soils, biodiversity, grazing and indigenous knowledge, agricultural problems, invasive species, pests and quarantine, freshwater and marine ecosystems, conservation biology and adaptive management. There is the opportunity to discuss problems via tutorials. Details of day field trip communicated at the start of the course.

## Physics IA

PHYSICS 1100

- 3 units - semester 1
- Study commitment: three one-hour lectures and a one-hour workshop per week, plus five three-hour practicals
- Prerequisites: SACE Stage 2 Physics, Math Methods (formerly Math Studies), Specialist Maths - high achieving students without Specialist Maths may be granted exemption on application to Head of Physics
- Co-requisite: MATHS 1011 - students may be permitted to enrol in Physics IA concurrently with MATHS 1013 on application to Head of Physics
- Assessment: written exam, practical work, in-semester tests, workshop preparation and participation.

This calculus-based course is the foundation for a major in physics, and also provides a quantitative understanding of physics concepts applicable in biological and geological sciences, and in engineering.

Topics include:

- measurement and uncertainties
- particle mechanics: Newton's law of motion, gravitation, work, energy, conservative forces, momentum, collisions
- thermal physics: heat, temperature, internal energy, kinetic theory of gases, thermodynamic processes
- electricity and magnetism: charge and current, electric field, Ohm's Law, DC circuits, Coulomb and Gauss' laws, electrostatics, capacitance, magnetic field, Ampere and Faraday's laws, inductance, LC circuits
- practical problem-solving.

## Physics IB

PHYSICS 1200

- 3 units - semester 2
- Study commitment: three one-hour lectures and one-hour workshop per week, plus five three-hour practicals
- Prerequisites: PHYSICS 1100
- Co-requisites: MATHS 1012 - students may be permitted to enrol in Physics IB concurrently with MATHS 1011 on application to Head of Discipline
- Assumed knowledge: MATHS 1011 and PHYSICS 1100
- Assessment: written exam, practical work, in-semester tests, workshop preparation and participation.

This calculus-based course completes the Level I sequence for a major in physics, and also provides a quantitative understanding of physics concepts applicable in biological and geological sciences and in engineering.

Topics include:

- rigid body mechanics: centre of mass, rotational motion, torque, angular momentum, equilibrium, oscillations
- waves and optics: transverse and longitudinal waves, superposition, interference, standing waves, Fourier decomposition, Fermat's principle, geometric optics, physical optics, interference, Michelson interferometers, thin film interference, diffraction, resolution of telescopes
- relativity and quantum physics: kinematics, time dilation, length contraction, Lorentz transformations, transformation of velocities, relativistic momentum and energy, X-rays as waves and photons, photoelectric and Compton effects, pair production, de Broglie waves, uncertainty principle, the quantum mechanical wave function
- practical problem-solving.

## Planet Earth

GEOLOGY 1100

- 3 units - semester 2
- Study commitment: three one-hour lectures and one three-hour practical per week, plus a one-day field trip
- Assessment: lecture tests and practical work.

This course investigates why volcanoes are the only earth process not trying to kill Australians. Why is it that we have no active volcanoes? Will that always be the case? Why does Australia have earthquakes? Could we have a 10.0 magnitude quake? As Will Durant said, 'Civilisation exists by geological consent, subject to change without notice'. Enrol in Planet Earth to find answers to these questions. We'll play games of stones, where you'll learn to classify every mineral and rock you're bound to see in your life. Field trips will take us to the coast to see rocks in their natural habitat, you'll learn how to read history from the Earth, and enjoy the opportunity to apply classroom knowledge to the real world. Successful completion of this course will allow continuation to Level 2 Geology courses.

# How to apply



Places within the program are limited and entry is competitive, therefore, each application will be assessed on merit. Only online application forms will be accepted.

- 1** Before applying to the Headstart scholarship program, thoroughly read this brochure and ensure you meet the eligibility criteria (see page 2).
- 2** Decide which courses you want to apply for (up to two courses, one each semester)
  - Read the course information which starts on page 7, ensuring you check any prerequisites or assumed knowledge and check Course Outlines for more information: [adelaide.edu.au/course-outlines](https://adelaide.edu.au/course-outlines)
  - Check the 2024 course timetable (released 4 December 2023) on Course Planner: [access-cbs.adelaide.edu.au/courses/search.asp](https://access-cbs.adelaide.edu.au/courses/search.asp)
- 3** Gather the following information that will be required in the application:
  - **Personal details**
  - **School details**
  - **Contact details of the applicant's nominated mentor** This can be a year level coordinator, SACE Coordinator or a relevant subject teacher who can act as a point of contact for the applicant and for the University

- 4** Gather the following documentation to upload (Word or PDF):
  - **School letter of reference** From a principal, deputy principal or year level coordinator
  - **Personal statement** Maximum 250 words
  - **2023 SACE or IB Report Card** Must include grades for all Year 11 and 12 subjects already completed
  - **2024 school timetable** Indicating which classes you would withdraw from, if successfully offered a place in the Headstart program (if any)
  - **International Student Declaration form** (*if applicable*) Required for all onshore international applicants

**Note:** You will not be able to submit your application without the above documents. All applicants will be notified of the outcome by Friday 26 January, 2024.

## 2023 application key dates

Applications open	Monday 4 December 2023
Closing deadline	Thursday 11 January 2024 by 5PM ACDT

## Further enquiries

The University of Adelaide SA 5005 Australia

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**free-call** 1800 061 459

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**facebook** [facebook.com/uniofadelaid](https://facebook.com/uniofadelaid)

**twitter** [twitter.com/uniofadelaid](https://twitter.com/uniofadelaid)

**snapchat** [snapchat.com/add/uniofadelaid](https://snapchat.com/add/uniofadelaid)

**instagram** [instagram.com/uniofadelaid](https://instagram.com/uniofadelaid)

**wechat** [UniversityOfAdelaide](https://UniversityOfAdelaide)

**weibo** [weibo.com/uniadelaide](https://weibo.com/uniadelaide)

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### **Kaurna acknowledgement**

We acknowledge and pay our respects to the Kaurna people, the original custodians of the Adelaide Plains and the land on which the University of Adelaide's campuses at North Terrace, Waite, and Roseworthy are built. We acknowledge the deep feelings of attachment and relationship of the Kaurna people to country and we respect and value their past, present and ongoing connection to the land and cultural beliefs. The University continues to develop respectful and reciprocal relationships with all Indigenous peoples in Australia, and with other Indigenous peoples throughout the world.