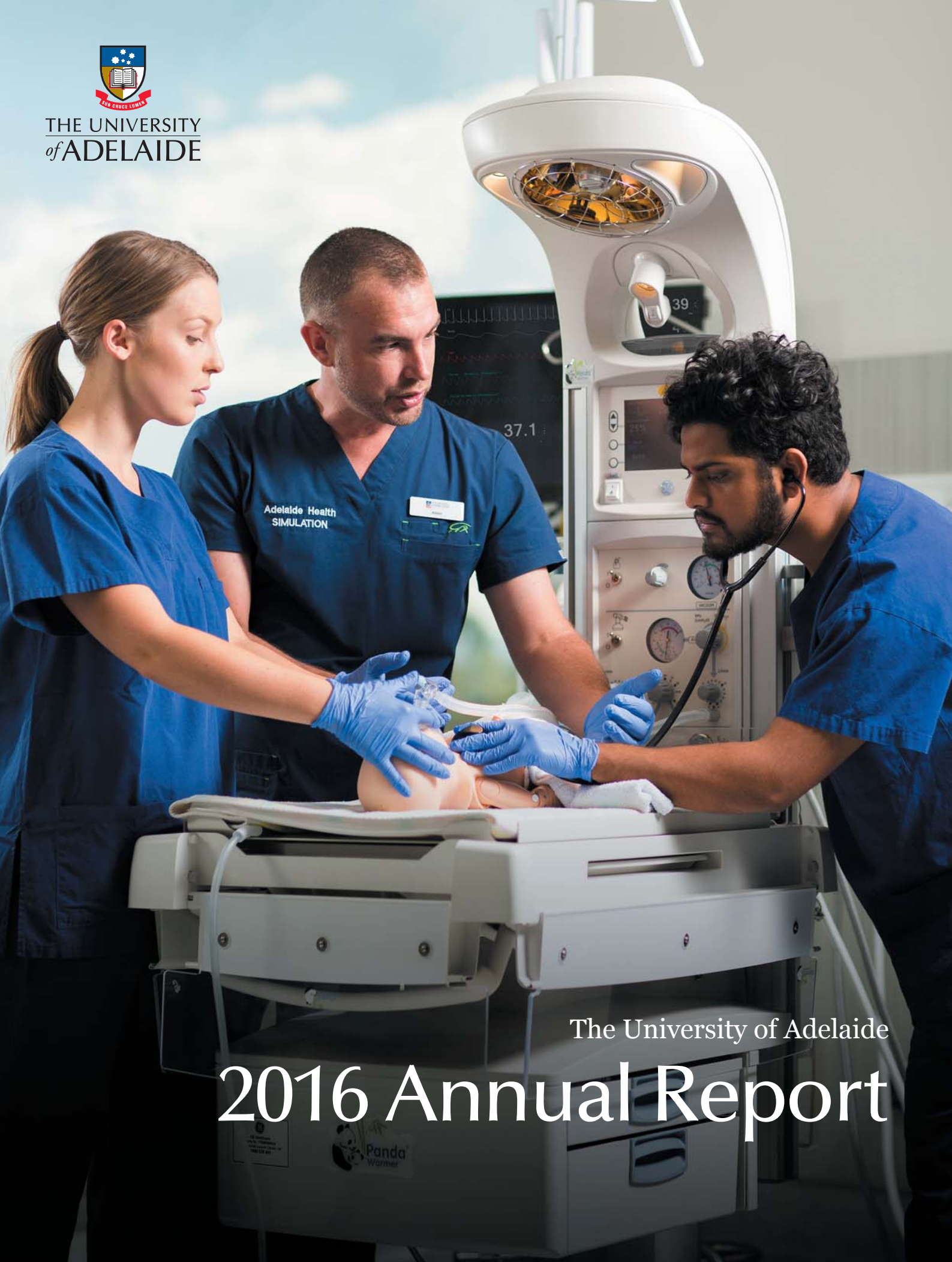




THE UNIVERSITY
of ADELAIDE



The University of Adelaide

2016 Annual Report

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The University of Adelaide 2016 Annual Report

Report of the Council of the University
of Adelaide for the period 1 January
2016 to 31 December 2016

To His Excellency, the Honourable Hieu Van Le,
AC, Governor of South Australia.

May it please Your Excellency, I have the honour
to transmit to you the Report of the Council
of the University of Adelaide for the period 1
January 2016 to 31 December 2016, furnished
in compliance with Section 25 of the *University
of Adelaide Act 1971* (1 June 2007).



Rear Admiral the Honourable
Kevin Scarce, AC, CSC, RAN (Rtd)
Chancellor



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A man with grey hair, wearing a grey pinstripe suit, a white shirt, and a purple tie, stands in front of a dark wooden bookshelf. He is smiling slightly and looking towards the camera. The bookshelf behind him is filled with books, and the lighting is warm, highlighting the man and the texture of the book covers.

Foreword from the Chancellor

The University of Adelaide has again moved up the prestigious rankings - 139 in *Academic Ranking of World Universities*, produced by the Shanghai Jiao Tong University; 142 *Times Higher Education World Rankings*; and 125 in the *QS World University Rankings*.

This annual report showcases another successful year for the University, which will help to recruit more international students and the best academics from around the world to the State. These international rankings will further enhance the reputation of Adelaide as a leader in the delivery of world class education. I congratulate the Vice-Chancellor and President, Professor Warren Bebbington, and the University for this outstanding result.

The Adelaide Health and Medical Sciences (AHMS) building, located in the City's West End Health and Biomedical Precinct, adjacent to the new Royal Adelaide Hospital was completed on time and on-budget to open for Semester 1, 2017. The AHMS building signifies a new era in Australian medical education and will ensure the University's continued support and enhancement of national health long into the future. The building will also house the new 89-chair Adelaide Dental Hospital on the upper three floors, following a partnership agreement between the University of Adelaide and SA Health. The Dental Hospital will ensure staff, students and patients have access to state-of-the-art dental facilities.

Council also approved, in principle, the 2016-2035 Campus Masterplan concepts for the North Terrace, Waite and Roseworthy campuses. The Masterplan provides the long-term strategic direction for development of the campuses. Council's Finance Committee has commenced the process of identifying potential funding models to realise this vision.


In March, I travelled to Singapore to preside over our graduation ceremony, held at the Ngee Ann-Adelaide Education Centre, but the University and its partner took the decision to end our Singaporean joint venture in 2017. Courses will wind down by the end of 2017. Our on-shore graduation ceremonies, held in April/May and in September, saw five outstanding alumni and members of the community receive honorary degrees. Further details on these distinguished recipients are provided in the *Governance* section of this report.

In October, Council re-appointed me as Chancellor for a further two-year term. I am honoured by the re-appointment and look forward to serving the University over the next two years.

Ms Dianne Davidson, AM, Deputy Chancellor, ended her term on Council on 31 December 2016. Ms Davidson had served the University as a member of Council first in the 1990s and then again since 2006. During this time she has chaired the People and Culture Committee, the Estate and Infrastructure Committee and the Chancellor Search Committee that recommended my appointment; she was also Acting Chancellor during much of 2014. The University is indebted to Ms Davidson for her commitment and dedication.

At the December Council meeting, the Vice-Chancellor and President, Professor Warren Bebbington announced his retirement from the University from 30 April 2017. There will be an opportunity to acknowledge his achievements closer to the time of his retirement. A global search has commenced for a new Vice-Chancellor, and in the interim, Professor Mike Brooks, Deputy Vice-Chancellor and Vice President (Research) has been appointed by Council as Vice-Chancellor from 1 May 2017.

Finally, I would like to acknowledge the work of all members of Council and its Standing Committees, as well as the Vice-Chancellor and his management team for their work during the year. I hope that looking back over the highlights of 2016 in this annual report, it serves as a reminder of the success the University has achieved in a great many fields. Looking forward, there are challenges ahead in this globally competitive education market. Our future focus will remain on actively looking for opportunities that consolidate our position as a leading national university.



Rear Admiral the Honourable
Kevin Scarce, AC, CSC, RAN (Rtd)
Chancellor

From the Vice-Chancellor and President

2016 was a year of growing community involvement for the University.

We became the first major institution to sign up to the Government of South Australia's Carbon Neutral Adelaide partnership program, pledging \$14.5 million in our Campus Sustainability Plan. Our Children's University program expanded to reach over 3000 primary-school-age children including in Adelaide's most disadvantaged schools, sowing the seeds of aspiration for university study in their minds. We expanded our presence at community events, fielding 350 staff, student, alumni and volunteer runners in the City-Bay Fun Run, the largest team in the event.

Meanwhile, the University continued to surpass its academic targets. Our 2016 domestic undergraduate intake commenced with a median ATAR of 93.9 (up from 92.3 in 2015), once again the highest in the University's history. International enrolments exceeded target, with growing strength in our postgraduate courses. And our Massive Open Online Course (MOOC) program, through AdelaideX, continued to expand rapidly, with 380,000 learners from over 200 countries engaging in the nine MOOCs we have conducted so far. We upgraded our edX membership, and expect to have 1 million learners in MOOCs by 2018.

Our commitment to valuing teaching was cemented with the launch of the Adelaide Education Academy. With over 60 members by year end, the Academy recognises staff who are particularly committed to teaching and gives an opportunity to focus their work on teaching, with a dedicated career path of status equal to research.

In March we launched a new research strategy, *Adelaide Research for Impact*, which invests an additional \$50 million over three years in increasing new early

and mid-career research fellowships, additional PhD scholarships, and increased interdisciplinary research. For the first time, the University reached top-150 positions in all three key international rankings—142 in the *Times Higher Education* World University Rankings, 139 in the Academic Ranking of World Universities, and 125 in the QS World University Rankings.

In December we launched our new Riverland Oral Health Centre, constructed with a \$6 million grant from the Australian Government. Located at Berri, the new centre will provide essential rural training places for our dental students, as well as dental services for the region's 11,000 eligible adults and 4000-4500 children under 18, as part of our 30-year Dental Education Partnership Agreement with SA Health.

The largest building project in our history, the new Adelaide Health and Medical Sciences building was completed on-budget and on time, and officially opened in February 2017. Located in the city's West End with the new Royal Adelaide Hospital, the \$246 million building will signify a new era in medical education, and ensure the University's continued support and enhancement of the health of South Australians long into the future. The building includes the new 89-chair Adelaide Dental Hospital, which will open in July 2017.

The University also adopted a 20-year Campus Masterplan that will shape the physical development of its three campuses for a generation. The result of intensive consultation with staff, students and alumni, this is the first time the University has had a comprehensive plan to enhance its campus amenities and student experience long-term. Stage one

involves a new entrance building next to Bonython Hall, housing arts and music, and a 25-storey tower opposite it across North Terrace, housing business and economics, and law.

Financially, the University delivered a solid end-of-year result, and the final stages of the divestment program saw the sale of the Thebarton campus in November. The Professional Services Reform, introducing a shared-services model to our campuses, was largely completed by year end, with significant efficiencies achieved.

As always, I appreciated the guidance of senior members of the Council of the University of Adelaide, and would like to thank my three deputies and five executive deans for their dedication and unending commitment to the University's mission. Thanks as well to all our staff, industry partners, volunteers and our vast alumni network, for their loyalty to the University and its values.

As I prepare to retire on April 30, 2017, I am particularly proud of progress made with our *Beacon of Enlightenment* Strategic Plan, adopted in December 2012. With its vision of small-group discovery, digitally enhanced learning, and internationally ranked research, it has brought a new spirit to the University. I wish Council wisdom in choosing my successor.



Professor Warren Bebbington

Vice-Chancellor and President



Vision

By 2024, the University of Adelaide will become no less than Australia's most distinctive university, set in Australia's most civilised of cities...

2016 at a glance

January

- > The University of Adelaide was listed among the world's top 100 universities by the prestigious *Times Higher Education*.
- > Conservation biologists led by University of Adelaide researchers published a landmark analysis of plant diversity across South Australia, identifying areas of exceptionally high diversity (biodiversity 'hotspots') and their key threats.
- > Researchers from the Australian Centre for Ancient DNA for the first time directly estimated the Anglo-Saxon ancestry of the British population from ancient skeletons, showing how Anglo-Saxon immigrants mixed with the native population.

February

- > A global team of researchers, including from the University of Adelaide, for the first time detected gravitational waves, which had been predicted by Einstein in his general theory of relativity 100 years ago.
- > The University's South Australian Law Reform Institute handed down its final report to the state's Attorney-General on witness oaths and affirmations, including a recommendation that a single form of witness promise be adopted for use in South Australia.

March

- > Environment Institute researchers developed DNA markers for the Bigleaf maple population, which helped convict National Forest timber thieves in a landmark case in the United States.
- > A new supercomputer named Phoenix was launched at the University, giving researchers constant access to vast computing power, with no formal application required.

- > The Sia Furler Institute for Contemporary Music and Media was launched—a new institute of contemporary music and media within the Elder Conservatorium of Music named after one of Australia's most internationally acclaimed singer-songwriters.
- > The first 49 of a planned 100 academics were inducted into the new Adelaide Education Academy, comprised of academic staff specialising in teaching—the first such academy in an Australian university.

April

Next-generation solar thermal technologies came a step closer under a new \$15.1 million research project with \$4.5 million in funding from the Australian Renewable Energy Agency (ARENA).

The University appointed a Director of Defence and Security, Associate Professor Michael Webb, to be the key interface for industry and government on all University defence partnerships.

The outstanding achievements of two pioneering leaders in South Australian science and health—Emeritus Professor Robert Seamark and Emeritus Professor Jeffrey Robinson CBE—were recognised with honorary degrees.

May

- > Almost 290 new first-year students were awarded \$2.9 million in scholarships in support of their education and living expenses, announced at a special ceremony in Bonython Hall.
- > International research led by the Robinson Research Institute showed for the first time a direct link between continued marijuana use during pregnancy and pre-term birth.

- > The Entrepreneurship, Commercialisation and Innovation Centre announced it would establish the ThincLab Châlons business incubator in France to support innovation and help local entrepreneurs—including students—accelerate their business ideas.

June

- > University sports engineers teamed up with Swiss company Scott Sports to help develop what is believed to be the world's fastest road cycling helmet—and it was later put to the test in the Tour de France and 2016 Olympics.
- > The new Centre for Global Food and Resources was launched, bringing together all aspects of food production, food consumption and natural resources, the economic and environmental health of food and water, and its social impact.
- > The findings of the first nationwide survey of antibiotic resistance in disease-causing bacteria in Australian pets and livestock were released, showing low rates of resistance to critically important drugs.

July

- > Robinson Research Institute researchers showed children who have type 1 diabetes could improve their cardiovascular health simply by taking an extra 1000 steps a day.
- > The University's open digital learning program, AdelaideX, reached 300,000 students from 200 countries around the world—just two years since the program was launched.
- > The University announced the National Study of Adult Oral Health 2016-2018, a \$5.8 million study to assess the level of oral diseases in the Australian adult population, and the effectiveness, sustainability and equity of dental service delivery.

August

- > The University announced a significant boost to research infrastructure—\$6 million over three years—as part of an additional \$50 million of University investment for its new research strategy, *Adelaide Research for Impact*.
- > Professor Alan Cooper, Director of the Australian Centre for Ancient DNA, was named 2016 South Australian Scientist of the Year.
- > The University rose 30 places to 139 in the Academic Ranking of World Universities.
- > School of Physical Sciences research revealed the first statistical proof that the earliest standing stone monuments of Britain, the great circles, were constructed specifically in line with the movements of the sun and moon, 5000 years ago.

September

- > The University announced it would work with South Australian food manufacturer Spring Gully Foods to investigate potential sources of food colourings among Australian native plants.
- > The University rose in the prestigious Times Higher Education World University rankings, jumping seven spots to be 142nd in the world.
- > The University revealed a 20-year masterplan for its three campuses, beginning with a new entrance building and tower on North Terrace.

October

- > Staff, alumni and the North Terrace campus played a starring role in The Adelaide Festival of Ideas 2016, with the University of Adelaide a major partner, and historic Bonython Hall and Elder Hall both venues for key events.
- > Mental health researchers made a promising breakthrough in the early detection of the risk of psychosis, with the eventual hope that patients could be given appropriate treatments earlier.

November

- > \$16.5 million was awarded to University researchers by the Australian Research Council (ARC) for major research projects and fellowships, early career funding, and infrastructure, in fields such as health, agriculture, the environment, engineering, physics and demographics.
- > The University became the first major institution to sign up to Carbon Neutral Adelaide's partnership program as part of a plan to showcase Adelaide's low-carbon credentials.
- > The Institute for Photonics and Advanced Sensing (IPAS) was awarded a \$2 million contract to adapt and develop its Sapphire Clock to boost a key defence asset, the Jindalee Operational Radar Network (JORN).
- > Education and research into Indigenous languages and music was boosted with the establishment of the National Centre for Aboriginal Language and Music Studies.

December

- > Professor Mario Ricci, Adelaide Medical School, was recognised as one of Australia's most outstanding university teachers in the 2016 Australian Awards for University Teaching.
- > The Vice-Chancellor and President, Professor Warren Bebbington, announced that he will retire from the post on the 30th of April 2017, when he turns 65.
- > The Riverland Oral Health Centre in Berri was launched at a special ceremony with University, local, state and Australian Government representatives.
- > The University celebrated the start of the festive season with its free public *Carols on Campus* event in Bonython Hall, featuring a full academic procession, soloists and choristers from the Elder Conservatorium of Music accompanied by the Bonython Hall organ.

Adelaide Health and Medical Sciences building

The University of Adelaide Health and Medical Sciences (AHMS) building was completed on-budget and on time to open for teaching in semester one, 2017.

Located in the city's West End, and at a total cost of \$246 million, the AHMS building was the largest capital works project in the University's history.

The building signifies a new era in Australian medical education, and will ensure the University's continued support and enhancement of the health of South Australians long into the future.

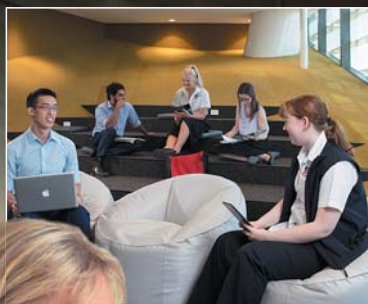
The facility supports medicine, nursing and dentistry students, along with University of Adelaide health and medical sciences researchers. It is a place where students, staff, researchers and clinicians are integrated, moving easily between classroom, bedside and lab.

Located in the South Australian Health and Biomedical Precinct, its integration with the new Royal Adelaide Hospital and South Australian Health and Medical Research Institute, continues to build on more than 130 years of University of Adelaide partnership with the RAH.

The building will also house the new 89-chair Adelaide Dental Hospital, following a partnership agreement between the University and SA Health. The dental hospital will open in mid-2017 and will ensure staff, students and patients have access to state-of-the-art dental facilities.

Features of the new building include:

- > 24,000m² of floor area over 13 floors, encased 360 degrees in glass
- > high and low-fidelity hospital simulation training for students—the best in the southern hemisphere
- > four levels of integrated PC2 wet labs, with adjacent dry labs for 600 staff
- > 240-seat multifunction public lecture theatre with retractable seating
- > interactive 90-seat discursive theatre for case studies and demonstrative learning.





Masterplan to transform the University

The 20-year Campus Masterplan is an aspirational vision that will guide development of the North Terrace, Waite and Roseworthy campuses as funds become available over the coming years. Early stages begin with a spectacular new 'front door' building for the North Terrace campus, not just for students and staff, but for industry, government and all South Australians. The new building will be adjacent to Bonython Hall, and feature ceremonial and conference facilities combining with a new arts precinct, showcasing music, creative arts, and offering lounge space for community and industry engagement. Across North Terrace, plans to enhance the Nexus 10 building involve the creation of a 24-storey tower accommodating business, law, and economics.

Later stages of the masterplan include new facilities for many other schools, and greatly enhanced campus amenities for students. The plan focuses on pedestrians and cyclists, providing better, safer pathways through the campus, and eliminating vehicle traffic where possible. Ultimately, the Schulz building will be repurposed as an on-campus residential college, with accommodation and recreational facilities, including a gymnasium. For the other campuses, the plan involves recasting the layout and services at Waite, and clarifying, unifying and beautifying the grounds at Roseworthy.

Commissioned from Sydney architects FJMT, the document has been developed after an extensive period of consultation, taking into account the lifespan and condition of existing buildings, expert specialist advice for heritage issues and pedestrian movement, and three-dimensional digital surveying of our sloping North Terrace campus.

Supporting South Australia's future prosperity

In 2016 the University of Adelaide contributed



turnover of
\$947 million



\$182.6 million to the state's export income in international student fees



\$156 million# in research income

Since its establishment in 1874, the University has been an important contributor to South Australia's economic prosperity, as one of the state's largest employers, and a key provider of research and education.

The University is continuing to help deliver the South Australian Government's economic priorities* through education and research for the benefit of the South Australian economy and the local community. The following are just a few examples from 2016.

Priority 1:

Unlocking the full potential of South Australia's resources, energy and renewable assets

Together with industry and research partners, the University's Centre for Energy Technology was awarded \$15.1 million to develop next-generation solar thermal technologies to reduce industry's reliance on natural gas. The University was also the first major institution to sign up to Carbon Neutral Adelaide's partnership program, as part of a plan by the state government and Adelaide City Council to showcase Adelaide's low-carbon credentials.

Priority 2:

Premium food and wine produced in our clean environment and exported to the world

In 2016 the University launched the Davies Research Centre at our Roseworthy Campus to help build the sustainability of the red meat industries. The University also launched a mobile application that allows grape growers and winemakers to easily assess powdery mildew in grapevines. Developed in close collaboration with the Australian grape and wine sector and supported by Wine Australia, the app has now been released globally.

Priority 3:

A globally recognised leader in health research, ageing and related services and products

The Riverland Oral Health Centre was opened in Berri. Operated under a 30-year agreement between the University and SA Health, the centre will provide public dental services as well as essential rural training places for the University's dental students. In 2016 Professor Mark Boyd was appointed the University's first Chair of Medicine (based at the Lyell McEwin Hospital), a joint announcement with the Northern Adelaide Local Health Network.

Priority 4:

The Knowledge State—attracting a diverse student body and commercialising our research

The University appointed Professor Michael Webb as its inaugural Director for Defence and Security, acting as the key interface for industry and government seeking to partner with the University. Five teams of innovative researchers were awarded commercialisation funds from the University's Commercial Accelerator Scheme in December 2016. Now in its tenth year, the Commercial Accelerator Scheme has awarded more than \$3 million across 35 projects from a wide range of research fields. In 2016, international student numbers increased to 7415.



National Innovation and Science Agenda

The Australian Government's National Innovation and Science Agenda seeks to drive smart ideas that create business growth, local jobs and global success.

Its four key pillars cover culture and capital, collaboration, talent and skills, and government as an exemplar. Together these pillars provide a framework for Australian innovation policy.

A unique University of Adelaide Massive Open Online Course (MOOC) to improve digital technologies training for teachers is a good example of how we are helping the federal government implement the agenda.

The MOOC supports teachers of some of the most vulnerable Australians, and equips them with the skills and confidence needed to better embrace the use of new technologies. It was

developed by the University's School of Computer Science in collaboration with international partners, including Google.

In 2016 the federal government announced \$6.9 million in funding for the program, which will allow the University to expand it and ensure vulnerable Australians can take advantage of the National Innovation and Science Agenda.

Priority 5:

South Australia—a growing destination of choice for international and domestic travellers

The majority of Australia's wine exports originate in South Australia, with wine regions and cellar doors creating a major tourist attraction. The University is the southern hemisphere's premier wine research and teaching institution, and in 2016 the University launched its new wine label to showcase its research and teaching excellence. The launch coincided with the first showing of plans for expansion and refurbishment of the winery.

Priority 6:

Growth through innovation

In 2016, the University contributed significantly in commercial innovation with local and international business partners. In collaboration with Agilent Technologies, the University launched Adelaide Glycomics at the Waite campus, the first comprehensive facility in the southern hemisphere for the analysis of complex carbohydrates. A research collaboration on the safety of driverless cars was announced with BMW. The University was also awarded \$2.6 million to establish the Australian Research Council Research Hub for Graphene Enabled Industry Transformation.

Priority 7:

South Australia—the best place to do business

The University of Adelaide has a proud tradition of partnering with South Australian industry.

In 2016 the Institute for Photonics and Advanced Sensing partnered with Austofix, an Adelaide-based medical device company, to develop an innovative new device that will help wrist fractures heal faster. Through the Australian Bioactive Compounds Centre, the University is also working with South Australian food manufacturer Spring Gully Foods to investigate potential sources of food colourings among Australian native plants.

Priority 8:

Adelaide—the heart of the vibrant state

In 2016 the University unveiled a 20-year masterplan for its three campuses. An aspirational vision, the first stage of the masterplan includes a new entrance building and tower on North Terrace. During the Adelaide Fringe Festival, the University's Mitchell building and Elder and Bonython halls were transformed into a living canvas of light for Fringe Illuminations. The University was also a major partner of The Adelaide Festival of Ideas. Under the state government's Open State festival, a Children's University event saw hundreds of children from seven primary schools from northern Adelaide consider issues of leadership and the future of South Australia.

Priority 9:

Promoting South Australia's international connections and engagement

In partnership with industry and government, the University launched the Global Institute of Traditional Medicine in Beijing to facilitate a better understanding of Traditional Chinese Medicine. The University also signed a five-year agreement with the French city of Châlons-en-Champagne to run a business incubator that will support innovation and assist local entrepreneurs to accelerate their business ideas.

Priority 10:

South Australia's small businesses have access to capital and global markets

Through the Entrepreneurship, Commercialisation and Innovation Centre (ECIC), the University actively engages with small and family businesses to help them make the most of national and global markets. ECIC seeks to stimulate innovation through its research, teaching, and community engagement activities, including the Australian eChallenge and ThIncLab Commercialisation Accelerator. To mark National Family Business Day, ECIC, together with Family Business Australia, held a seminar, 'The Value of Family Branding'.

*2016 preliminary eligible Category 1 to 4 Higher Education Research Data Collection (HERDC) Research Activity.

*Economic Priorities: State Government of South Australia, 2014 <http://www.economic.priorities.sa.gov.au/>

By the numbers

The University and consolidated underlying net operating result

The underlying net operating result represents the University's total net operating result after deducting revenues received that are directed to specific purposes and are not available to be utilised at the University's discretion. The methodology adopted by the University is consistent with the methodology adopted by all of the Australian Group of Eight universities in their Annual Reports. The 2016 University underlying net operating result of \$30.5 million or 3.4% of gross revenue, is set out in the

table above (Consolidated \$29.2 million). The funds generated from the underlying net operating result are available to be reinvested at the University's discretion into infrastructure, research and teaching.

The University's total net operating result of \$60.2 million (Consolidated \$60.9 million), as reported in the audited financial statements, is derived upon the application of all relevant accounting standards. In the opinion of the University this result may tend to overstate the funds which the University has available for discretionary operations or infrastructure investment. This is also the case in relation to the consolidated net operating result as reported in the audited financial statements.

The key factors contributing to the difference between the underlying and total net operating result are described below.

- > In 2016, the University received \$1.4 million in “restricted use” donations and bequests for which specific purposes were nominated by the donor.
- > In 2016 the University reported an unrealised gain of \$10.3 million on its Endowment Fund. The Fund comprises funds which have been provided to the University for specific purposes, generally relating to research projects, prizes and scholarships. As such, the funds are not available for general operating activities or capital investment.
- > All other grants, including research grants, are recognised upon receipt despite expenditure also being incurred in future periods, contributing to the \$8.5 million movement in specific purpose grants including research grants.
- > During 2016, the University continued with the divestment strategy to assist with funding the development of the Adelaide Health and Medical Sciences building, reporting a gain on sale of properties of \$2.6 million. In addition to this, revaluations received on the University’s buildings resulted in the reversal of \$3.6 million of impairment losses recognised in prior years.
- > Revaluations of the University’s share investments totalling \$3.3 million are reported due to the University’s investments in Education Australia (\$1.8 million) and Australian Grain Technologies Pty Ltd (\$1.5 million).

	Consolidated					University				
	2016	2015	2014	2013	2012	2016	2015	2014	2013	2012
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
Total revenue from continuing operations	947,282	936,395	905,081	958,098	838,385	894,524	874,047	840,373	888,443	789,732
Salaries and related expenses	497,611	486,767	478,795	444,293	418,214	486,152	470,708	462,768	427,702	405,181
Other expenses	388,763	398,014	373,208	367,206	360,447	348,135	348,985	323,175	325,631	314,658
Net operating result for the year	60,908	51,614	53,078	146,599	59,724	60,237	54,354	54,430	135,110	69,893
Adjusted for:										
Restricted use donations and bequests	(1,438)	(2,595)	(2,265)	(3,190)	(3,905)	(1,438)	(2,590)	(2,265)	(2,987)	(3,905)
Endowment Fund unrealised earnings	(10,931)	(1,733)	(11,806)	(31,916)	(16,462)	(10,267)	(2,112)	(11,807)	(31,223)	(16,462)
Capital projects grants	-	-	-	(63,075)	(6,669)	-	-	-	(60,000)	(3,594)
Net movement in specific purpose grants including research projects	(8,528)	(11,064)	(24,333)	(11,884)	(4,345)	(8,528)	(11,064)	(24,333)	(11,884)	(4,345)
Other extraordinary items:										
Proceeds from sale of underperforming assets	(2,571)	(9,684)	-	-	(1,953)	(2,571)	(9,684)	-	-	(14,414)
Impairment of non-current assets	(4,843)	(1,033)	-	(5,097)	-	(3,632)	(1,033)	-	(6,308)	-
Revaluation of Investments	(3,366)	(7,960)	-	-	-	(3,338)	(7,960)	-	-	-
Gain on acquisition of controlled entity	-	-	-	(9,389)	-	-	-	-	-	-
Underlying net operating result for the year	29,231	17,545	14,674	22,048	26,390	30,463	19,911	16,025	22,708	27,173

Student enrolment

Student enrolments (EFTSL)	2015	2016
Total load (EFTSL)*	21238	21461
Central areas	168	125
Arts	3882	3831
Engineering, Computer and Maths Sciences	4313	4269
Health Sciences	4161	4252
Professions	5796	5998
Sciences	2917	2986
Research higher degree	1678	1642
Arts	252	239
Engineering, Computer and Maths Sciences	379	361
Health Sciences	416	402
Professions	136	131
Sciences	495	508
Postgraduate coursework	3213	3422
Central areas	0	0
Arts	293	306
Engineering, Computer and Maths Sciences	473	518
Health Sciences	391	418
Professions	1782	1902
Sciences	274	277
Undergraduate**	16181	16282
Central areas	19	23
Arts	3335	3283
Engineering, Computer and Maths Sciences	3460	3390
Health Sciences	3350	3427
Professions	3871	3960
Sciences	2147	2199

Student enrolments (EFTSL)	2015	2016
Aboriginal and Torres Strait Islander enrolment (EFTSL)	188	179
Enabling	29	27
Undergraduate	144	135
Postgraduate Coursework	8	10
Postgraduate Research	8	7
% Female enrolment	47.9%	48.6%
Central areas	51.1%	54.2%
Arts	58.7%	58.3%
Engineering, Computer and Maths Sciences	18.3%	18.4%
Health Sciences	66.1%	66.2%
Professions	48.9%	49.6%
Sciences	49.4%	51.8%
International load (EFTSL)	5550	5843
Central areas	142	95
Arts	333	346
Engineering, Computer and Maths Sciences	1446	1508
Health Sciences	563	595
Professions	2508	2692
Sciences	558	606

Awards completions

Student enrolments (EFTSL)	2015	2016
% International	26.1%	27.2%
Central areas	84.7%	75.6%
Arts	8.6%	9.0%
Engineering, Computer and Maths Sciences	33.5%	35.3%
Health Sciences	13.5%	14.0%
Professions	43.3%	44.9%
Sciences	19.1%	20.3%
Commonwealth-funded, including RTS	14959	14869
Central areas	19	23
Arts	3459	3398
Engineering, Computer and Maths Sciences	2803	2705
Health Sciences	3460	3509
Professions	2902	2896
Sciences	2317	2338



Award completions #	2015	2016
Total***	6726	6942
Central areas	0	0
Arts	1223	1269
Engineering, Computer and Maths Sciences	1058	1033
Health Sciences	1260	1343
Professions	2305	2394
Sciences	880	903
Research higher degree (ex Higher Doc)	401	404
Arts	63	65
Engineering, Computer and Maths Sciences	83	92
Health Sciences	108	100
Professions	26	29
Sciences	121	118
Graduate coursework ##	2053	2050
Central areas	0	0
Arts	307	248
Engineering, Computer and Maths Sciences	239	254
Health Sciences	296	343
Professions	1086	1108
Sciences	125	97
Undergraduate ###	4271	4487
Arts	853	956
Engineering, Computer and Maths Sciences	735	687
Health Sciences	856	899
Professions	1193	1257
Sciences	634	688

Source: Data Warehouse

*Includes Non Award programs

** Includes Enabling programs

***Includes Higher Doctorate

Staff numbers

As at 31 March, inc casuals and exc TAFE, independent operations

Academic (FTE)	2015	2016
Central areas	32.2	56.6
Arts	223.9	207.6
Engineering, Computer and Maths Sciences	343.8	328.9
Health Sciences	487.5	465.7
Sciences	496.6	463.5
Professions	196.7	207.1

Professional (FTE)	2015	2016
Central areas	1013.3	1227.0
Arts	77.3	73.0
Engineering, Computer and Maths Sciences	131.2	131.6
Health Sciences	400.8	251.6
Sciences	344.1	348.5
Professions	118.0	123.6

Total (FTE)	2015	2016
Central areas	1045.5	1283.5
Arts	301.1	280.6
Engineering, Computer and Maths Sciences	474.9	460.5
Health Sciences	888.3	717.3
Sciences	840.6	811.9
Professions	314.7	330.7
Grand total	3865.0	3884.5

Aboriginal and Torres Strait Islander (FTE)	2015	2016
Central areas	17.1	18.5
Arts	9.2	8.2
Engineering, Computer and Maths Sciences		
Health Sciences	6.2	5.6
Sciences		1
Professions	0.3	0.31
Grand total	32.8	33.6

*2016 casuals are estimated. 2016 actual casual data will be available after July 2017.
Source: Department of Education and Training reporting

Student:staff ratio

Student:staff ratio (teaching only and teaching and research staff, inc casuals)

Teaching faculty	2015	2016
Central areas	7.5	6.9
Arts	21.7	22.3
Engineering, Computer and Maths Sciences	21.1	20.5
Health Sciences	14.3	14.9
Sciences	14.4	15.4
Professions	32.1	31.6
Grand total	19.8	20.1

Student:staff ratio

Student:staff ratio (all academic staff, inc casuals)

Teaching faculty	2015	2016
Central areas	5.8	3.7
Arts	18.7	19.8
Engineering, Computer and Maths Sciences	12.7	13.1
Health Sciences	7.9	8.5
Sciences	6.3	6.9
Professions	30.2	29.8
Grand total	12.2	12.7



Summary of research activity

Research income	2015 [^]	2016 [*]
	\$000	\$000
Australian Competitive Research Grants	84,394	74,154
Other Public Sector Research	36,534	40,430
Industry and Other Funding	46,584	38,225
Cooperative Research Funding	2,875	3,593
Total	170,386	156,402

[^] 2015 eligible Category 1 to 4 Higher Education Research Data Collection (HERDC) Research Activity

^{*}2016 preliminary eligible Category 1 to 4 Higher Education Research Data Collection (HERDC) Research Activity

Research Block Funding	2015 Actual	2016 Actual
	\$000	\$000
Research Training Scheme (RTS)	32,000	32,354
Research Infrastructure Block Grant (RIBG)	14,179	13,497
Joint Research Engagement (JRE)	16,219	16,565
Sustainable Research Excellence (SRE)	10,062	11,647

Course Experience Questionnaire

The Course Experience Questionnaire is part of the annual Australian Graduate Survey (AGS), developed by Graduate Careers Australia. The AGS surveys new university graduates from all Australian universities. The aim of the CEQ is to determine graduates' perceptions of course quality, their attitudes about the skills they acquired, and overall satisfaction.

Note: the tables only include data for domestic undergraduates.
Source: University of Adelaide AGS Data Files.

Course Experience Questionnaire per cent agreement for overall satisfaction	2015	2016
Arts	81.7%	80.9%
Engineering, Computer and Maths Sciences	81.3%	77.5%
Health Sciences	86.5%	83.3%
Professions	82.0%	78.0%
Sciences	91.7%	90.1%
University	84.3%	81.6%

Course Experience Questionnaire per cent agreement for good teaching	2015	2016
Arts	69.5%	66.7%
Engineering, Computer and Maths Sciences	53.4%	50.5%
Health Sciences	69.3%	60.6%
Professions	65.9%	55.6%
Sciences	75.5%	69.0%
University	67.0%	60.2%

Course Experience Questionnaire per cent agreement for generic skills	2015	2016
Arts	78.0%	74.7%
Engineering, Computer and Maths Sciences	82.9%	79.1%
Health Sciences	84.1%	80.1%
Professions	77.6%	74.7%
Sciences	86.2%	83.3%
University	81.0%	78.0%

Graduate Destination Survey per cent in full-time employment	2015	2016
Arts	43.4%	59.2%
Engineering, Computer and Maths Sciences	59.4%	63.1%
Health Sciences	84.1%	74.7%
Professions	56.9%	63.6%
Sciences	58.5%	61.6%
University	61.4%	64.9%

Graduate Destination Survey per cent in full-time study	2015	2016
Arts	28.2%	31.3%
Engineering, Computer and Maths Sciences	10.6%	12.7%
Health Sciences	15.6%	23.8%
Professions	22.8%	21.0%
Sciences	41.4%	40.6%
University	23.8%	25.5%

Awards and achievements

The many awards and achievements of University staff, students and alumni in 2016 reflect the quality of research and teaching, and demonstrate the high regard in which members of the University community are held.

Research recognition

- > Professor Alan Cooper, Director of the University's Australian Centre for Ancient DNA (ACAD), was awarded the prestigious 2016 South Australian Scientist of the Year award. Professor Cooper has led many large international multi-disciplinary studies and created major new research areas, including the first genome of an extinct species, and reconstructing the genomic history of Europe.
- > Other South Australian Science Excellence Awards winners were:
 - ~ PhD Research Excellence & Early STEM Professional – Dr Phiala Shanahan (School of Physical Sciences)
 - ~ Early Career STEM Educator of the Year: Tertiary Teaching – Dr Lyndsey Collins-Praino (School of Medicine)
 - ~ Excellence in Research Collaboration – Australian Almond Breeding Program, led by Dr Michelle Wirthensohn (School of Agriculture, Food and Wine).
- > Two University of Adelaide PhD students were among the winners of 2016 Channel 9 Young Achiever Awards:
 - ~ Ms Jasmin Parasiers, completing a PhD in history and founder of Intuition Tutoring Services, won the Australian Super Career Kick Start Award. Ms Hannah Wardill, completing her PhD in medicine, won the University of Adelaide Faculty of Sciences, Science and Technology Award.
- > Professor Stephen Nicholls, Professor of Cardiology at the University of Adelaide and Deputy Director and Heart Health Theme Leader at the South Australian Health and Medical Research Institute, was judged as the top-ranked Research Fellowship recipient for 2015 in the annual National Health and Medical Research Council (NHMRC) Research Excellence Awards.
- > Associate Professor Jason Armfield, a senior research fellow in the University's Australian Research Centre for Population Oral Health, had a project selected in the NHMRC's *10 of the Best NHMRC Research Projects 2015*.
- > Four young University of Adelaide researchers received 2016 South Australian Young Tall Poppy Science Awards:
 - ~ Dr Luke Bennetts (School of Mathematical Sciences)
 - ~ De Camille Short (School of Medicine)
 - ~ Dr Lyndsey Collins-Praino (School of Medicine)
 - ~ Dr Susan Woods (School of Medicine and SAHMRI).
- > Emeritus Professor Geoff Fincher (School of Agriculture, Food and Wine) and Professor Sarah Robertson (Robinson Research Institute) were elected to the Fellowship of the Australian Academy of Science.
- > Two University researchers were named new Fellows in the Australian Academy of Technology and Engineering: ARC Laureate Fellow Professor Ian Reid from the School of Computer Science, and plant geneticist Emeritus Professor Peter Langridge.

Student awards

John Monash Scholar

Medical physics honours student Mark Brooke was awarded a John Monash Scholarship for 2017, enabling him to undertake postgraduate studies in proton therapy at ETH Zurich, Switzerland. Mark is the University's fifteenth John Monash Scholar.

Australian-American Fulbright Scholar

PhD student Jenna Crowe-Riddell was been awarded a prestigious 2016 Australian-American Fulbright Scholarship. She will use the opportunity to explore the sensory biology of sea snakes at the University of Florida, working alongside some of the world's leading reptile experts.

Endeavour Scholars

Seven postdoctoral researchers and research students were awarded highly competitive Endeavour Postgraduate Fellowships to pursue research projects overseas. The University of Adelaide received the highest number of outbound Endeavour Awards:

- > Anthelia Bond, research fellowship at University of British Columbia, Canada, towards a master's degree in agriculture, environmental and related studies
- > Hugo Burgin, research fellowship at Cergy-Pontoise University, France, towards a PhD in geology
- > Daniel Headland, postdoctoral research fellowship at University of Wuppertal, Germany, in electronic engineering
- > Anna Roesler, research fellowship at Chiang Mai University, Thailand, towards a PhD in community health
- > Arash Mir, postdoctoral research fellowship at University of Oxford, United Kingdom, in geotechnical engineering
- > Jia Ng, research fellowship at Columbia University, United States of America, towards a PhD in medical science
- > Yuval Yarom, postdoctoral research fellowship at University of Pennsylvania, United States of America, in networks and communications.

New Colombo Plan Scholars

Four undergraduate students won prestigious New Colombo Plan Scholarships for study and work in the Indo-Pacific region:

- > Mira-Srikandi Sulistiyanto, Bachelor of Psychological Science, studying Indonesian language and psychology courses at Universitas Gadjah Mada, Indonesia
- > Amanda Gunawan, Bachelor of Arts, studying Japanese language and Asian studies at Kansai Gaidai University, Japan
- > Madeleine Massy-Westropp, Bachelor of Science (Advanced), studying biochemistry and cell biology at the National University of Singapore, Singapore
- > Ellen Schulz, Bachelor of Arts (Chinese)/ Bachelor of Laws, studying sociology, demography and international law at the University of Colombo, Sri Lanka. Ellen Schulz is New Colombo Plan Fellow for Sri Lanka, the top-ranked Scholarship holder in the country.

University Medallists – undergraduate

University Medals are awarded annually for outstanding academic performance to students who have completed an undergraduate honours degree, bachelor's degree with honours, or bachelor's degree of at least four years' duration. The medals are presented at graduation ceremonies.

Faculty of Arts	
Alex Andrew Antoniou	Honours Degree of Bachelor of Arts
Faculty of Engineering, Computer and Mathematical Sciences	
Timothy Philip Atkinson	Bachelor of Engineering (Honours) (Mechatronic)
Thomas Craig Bettison	Bachelor of Engineering (Honours) (Mechanical)
David James Brown	Bachelor of Engineering (Honours) (Civil and Structural) with Bachelor of Finance
Adam Matthew Luciano	Bachelor of Engineering (Honours) (Civil and Structural)
Cathryn Ellen McDonald	Bachelor of Engineering (Honours) (Electrical and Electronic)
Philip Donald Swincer	Bachelor of Engineering (Honours) (Civil and Structural)
Benjamin Jarad Whyte	Bachelor of Engineering (Honours) (Mechanical and Sports)
Faculty of Health Sciences	
Victoria Mary Branson	Honours Degree of Bachelor of Psychology
Joshua Hay Castleman Lushington	Bachelor of Medicine and Bachelor of Surgery
Magdalena Ruth Moshi	Honours Degree of Bachelor of Health Sciences
Bonnie Williams	Honours Degree of Bachelor of Health Sciences
Faculty of the Professions	
Elizabeth Alvaro	Bachelor of Laws
Eugene Alexander Braslavskiy	Honours Degree of Bachelor of Economics
Zifeng Liu	Honours Degree of Bachelor of Finance
Max Sim	Honours Degree of Bachelor of Commerce
Faculty of Sciences	
Nicola Hazel Bilton	Honours Degree of Bachelor of Science
Matthew Bowie	Honours Degree of Bachelor of Science

University Master Research Medal

The University Master Research Medal is awarded to graduates who have completed outstanding research at master level. This award is the premier award for master's degree candidates at the University.

Faculty of Engineering, Computer and Mathematical Sciences	
Zhigang Lu	For research in the field of computer science
Tianyu Xie	For research in the field of civil, environmental and mining engineering

The University Doctoral Research Medal

The University Doctoral Research Medal is awarded to graduates who have completed outstanding research at doctoral level. It is the premier award for doctoral candidates at the University.

Faculty of Arts	
Dr Mary Lynn Mather	For research in the field of English and creative writing
Dr Carly Osborn	For research in the field of English and creative writing
Faculty of Engineering, Computer and Mathematical Sciences	
Dr Mohammadreza Bonyadi	For research in the field of computer science
Dr Tushar Kumeria	For research in the field of chemical engineering
Dr Ye Wang	For research in the field of chemical engineering
Faculty of Health Sciences	
Dr Andrea Barclay	For research in the field of nursing
Dr George Opie	For research in the field of medical sciences
Dr Rajeev Pathak	For research in the field of medicine
Dr Kuljit Singh	For research in the field of medicine
Faculty of the Professions	
Dr Manuel Solis	For research in the field of law
Faculty of Science	
Dr Matthew Doyle	For research in the field of molecular and cellular biology
Dr Robert Klæbe	For research in the field of earth science
Dr Kieren Mitchell	For research in the field of genetics, genomics and evolution
Dr Phiala Shanahan	For research in the field of physics
Dr Michelle Turvey	For research in the field of molecular and cellular biology

The Honours Alumni University Medal

The Honours Alumni University Medal is awarded to an honours graduate in recognition of outstanding academic merit.

Faculty of Engineering, Computer and Mathematical Sciences	
Cathryn Ellen McDonald	Bachelor of Engineering (Honours) (Electrical and Electronic)

Learning and teaching recognition

A number of University staff members were recognised in 2016 for learning and teaching excellence.

National and international teaching grants, awards and recognition

Associate Professor Sophie Karanicolas and Associate Professor Cathy Snelling (Faculty of Health and Medical Sciences) were selected as two of the *Top 100 Flipped Class Teachers in the World* by Flipped Global Learning.

Bernadette Foley (School of Civil, Environmental and Mining Engineering) was awarded an Office for Learning and Teaching Innovation and Development grant for her project *Transforming engineering students into student engineers: improving learning outcomes and employability*.

Dr John Willison (School of Education, Faculty of Arts) was awarded one of only four National Senior Teaching Fellowships by the Office for Learning and Teaching for 2016. His fellowship project *Putting student research mindsets to work for a coherent higher education* aims to foster the growth of a community of educators and students and the development of discipline-specific student research skills that are useful for study, life and employment.

Dr Lyndsey Collins-Praino (School of Medicine, Faculty of Health and Medical Sciences) was named the Early Career STEM Educator of the Year – Tertiary in the South Australian Government's Science Excellence Awards.

Associate Professor Lucy Potter (Department of English and Creative Writing, School of Humanities, Faculty of Arts) was awarded \$21,500 under the Australian Government's Endeavour Mobility Grants scheme, to assist students from disadvantaged backgrounds to attend performances of Shakespeare's plays in London and Stratford-upon-Avon.



Associate Professor Katrina Falkner (School of Computer Science, Faculty of Engineering, Computer and Mathematical Sciences) was awarded a Computer Research and Education John Hughes Distinguished Service Award for contributions to computer science education, as well as the Australian Council for Computers in Education and Australian Computer Society Leader of the Year award.

Associate Professor Mario Ricci (School of Medicine, Faculty of Health and Medical Sciences) was an international finalist for the edX Prize for Exceptional Contribution to Online Learning and Teaching.

Associate Professor Mario Ricci (School of Medicine, Faculty of Health and Medical Sciences) was the recipient of an Award for Teaching Excellence in the 2016 Australian Awards for University Teaching.

The following staff received citations for Outstanding Contributions to Student Learning:

- > Foundations of Chemistry Team (Dr Natalie Williamson, Professor Greg Metha, Dr David Huang and Dr Stephen Bell in the Department of Chemistry, School of Physical Sciences, Faculty of Sciences)
- > Dr Dimitra Lekkas (School of Dentistry, Faculty of Health and Medical Sciences)
- > Dr Natalie Edwards (Department of French Studies, School of Humanities, Faculty of Arts).

University teaching awards

Award	Recipients
Student-led Teaching Awards	<p>Ms Margaret Hosking, Research Librarian, Learning and Research Services</p> <p>Dr Gareth Pritchard, School of Social Sciences, Faculty of Arts</p> <p>Lucy Andrew, University Preparatory Program, Faculty of Arts</p> <p>Eyad Hassan, School of Mechanical Engineering, Faculty of Engineering, Computer and Mathematical Sciences</p> <p>Dr Raymond Vozzo, School of Mathematical Sciences, Faculty of Engineering, Computer and Mathematical Sciences</p> <p>Dr Danijela Menicanin, School of Medical Sciences, Faculty of Health and Medical Sciences</p> <p>Christopher Keech, School of Psychology, Faculty of Health and Medical Sciences</p> <p>Matt McKinlay, Entrepreneurship, Commercialisation and Innovation Centre (ECIC), Faculty of the Professions</p> <p>Associate Professor Matthew Stubbs, Adelaide Law School, Faculty of the Professions</p> <p>Ms Velta Vingelis, School of Biological Sciences, Faculty of Sciences</p> <p>Dr Pablo Munguia, School of Biological Sciences, Faculty of Sciences</p>
Beacon Commendations for the Enhancement and Innovation of Student Learning	<p>Dr Benito Cao, School of Social Sciences, Faculty of Arts</p> <p>Associate Professor Alex Reilly and Associate Professor Laura Grenfell, Adelaide Law School, Faculty of the Professions</p> <p>Communication Transition Team, Adelaide Dental School, Faculty of Health Sciences: Dr Vicki Skinner, Associate Professor Tracey Winning, Dr Dimitra Lekkas and Mr Clinton Kempster</p> <p>Principles of Public Law SGDE Team, Adelaide Law School, Faculty of the Professions: Associate Professor Matthew Stubbs, Ms Cornelia Koch and Dr Adam Webster</p> <p>Dr Thomas Wanner, School of Social Sciences, Faculty of Arts</p> <p>Dr Robyn Davidson, School of Accounting and Finance, Faculty of the Professions</p> <p>Dr Edward Palmer, School of Education, Faculty of Arts</p> <p>Professor Gordon Howarth, School of Animal and Veterinary Sciences, Faculty of Sciences</p> <p>Associate Professor Veronica Soebarto, School of Architecture and Built Environment, Faculty of the Professions</p>
Stephen Cole the Elder Awards for Excellence – Highly Commended	<p>Dr Karina Riggs and Dr Beth Loveys, School of Agriculture, Food and Wine, Faculty of Sciences, in the category of Excellence in Teaching and Support of Learning</p> <p>Associate Professor Maziar Arjomandi, School of Mechanical Engineering, Faculty of ECMS, in the category of Higher Degree by Research (HDR) Supervisory Practice</p>
Stephen Cole the Elder Awards for Excellence in Teaching	<p>Professor Gordon Howarth, School of Animal and Veterinary Sciences, Faculty of Sciences, in the category of HDR Supervisory Practice</p> <p>Professor Megan Lewis, School of Biological Sciences, Faculty of Sciences, in the category of HDR Supervisory Practice</p> <p>Professor Michael Liebelt, School of Electrical and Electronic Engineering, Faculty of Engineering, Computer and Mathematical Sciences, in the category of Leadership, Support and Enhancement of Teaching Practice</p> <p>Dr Joy McEntee, School of Humanities, Faculty of Arts, in the category of Teaching and Support for Learning</p>
Vice-Chancellor and President's Award for Excellence in Learning and Teaching	<p>Professor Michael Liebelt, School of Electrical and Electronic Engineering, Faculty of ECMS</p>

Faculty teaching awards

Award	Recipients
Faculty of Engineering, Computer and Mathematical Sciences	
HDR Supervisory Practice	Professor Christophe Fumeaux – School of Electrical and Electronic Engineering
Professional Support of Learning and Teaching	Dr Hong Gunn Chew – School of Electrical and Electronic Engineering
Excellence in Teaching	Dr Cris Birzer – School of Mechanical Engineering Dr Braden Phillips – School of Electrical and Electronic Engineering
Faculty of Health and Medical Sciences	
Level A/B	Dr Danijela Menicanin, School of Medical Sciences
Level C and above	Dr Josephine Thomas, School of Medicine
Titleholder or affiliate	Dr Chien-Li Holmes-Liew, School of Medicine
Faculty of Arts	
Dean's Award	Dr Benito Cao, School of Social Sciences
Individual Teaching	Dr Benito Cao, School of Social Sciences Ms Tammy Edwardson, School of Education Dr Thomas Wanner, School of Social Sciences
Individual Teaching (contract and sessional)	Dr Cally Guerin, Faculty Office
Faculty of the Professions	
Executive Dean's Award	<p>Melissa de Zwart, Law School</p> <p>Dale Stephens, Law School</p> <p>Rebecca La Forgia, Law School</p> <p>Peter Burdon, Law School</p> <p>Dr Sally Rao Hill, Business School</p> <p>Dr Chelsea Liu, Business School</p> <p>Dr Urs Bette, School of Architecture and Built Environment</p>
Distinguished Practice	<p>Dr Barry Elsey, ECIC</p> <p>Amina Omarova, ECIC</p> <p>Associate Professor Dale Stephens, Law School</p> <p>Dr Florian Ploekl, School of Economics</p> <p>Dr Steve Goodman, Business School</p>
Executive Dean's Award (sessional)	<p>Kerry Antoniou, Law School</p> <p>Jean-Marie See, Business School</p> <p>Mark Giddings, Law School</p> <p>Nurmalisa Che Ali, Business School</p> <p>Peter Vroom, ECIC</p> <p>Sok Heng Lay, Law School</p> <p>Tanya Wundke, Business School, Law School</p>
Distinguished Practice (sessional)	<p>Aaron Hermann, Business School, Law School</p> <p>Beatrix van Dissel, Law School</p> <p>David Pender, Business School</p> <p>Stacey Lee Henderson, Business School</p>
Faculty of Sciences	
Executive Dean's Award for Excellence in Teaching	Associate Professor Peter Hill, School of Animal and Veterinary Sciences

Alumni recognition

The University recognises the outstanding achievements and contributions of its alumni locally, nationally and globally through a series of awards.

Distinguished Alumni Awards

The Distinguished Alumni Awards recognise the outstanding contribution and significant impact made by our alumni in humanitarian, professional or community service fields. The 2016 recipients were:

- > **Professor Adrian Cheok** (BE (Elec) 1994, PhD 1999), in recognition of his contribution in the field of computing, engineering and multisensory communication
- > **Dr Kenneth Collins, AM**, (MBBS 1960), in recognition of his outstanding leadership and contribution nationally and internationally in the field of community service
- > **Dr Wally Melnitchouk** (BSc (Hons) 1999, PhD 1994), in recognition of his outstanding leadership and contribution in the field of nuclear and particle physics
- > **Mr Timothy Sexton** (B Mus (Hons) 1985, Grad Dip Ed 1988), in recognition of his contribution in the field of opera and musical theatre direction, production and composition
- > **Ms Jane Sloane** (BA (Hons) 1985), in recognition of her contribution in the field of women's rights.

The James McWha Award of Excellence

The James McWha award recognises outstanding alumni who have graduated from the University within the past 15 years and are making a significant contribution as emerging leaders within their profession or community. The 2016 recipients were:

- > **Professor Deborah White** (PhD 2008), in recognition of her contribution in the field of leukaemia research
- > **Dr Kristofer Helgen** (PhD 2007), in recognition of his contribution in the field of mammalogy.

Honours Alumni University Medal

The Honours Alumni University Medal recognises outstanding academic achievement at honours level. The medallist for 2016 was:

- > **Ms Cathryn McDonald** (BE (Hons) 2015), in recognition of her outstanding academic achievements in the honours program.

Postgraduate Alumni University Medal

The Postgraduate Alumni University Medal is awarded each year to a graduating postgraduate student for outstanding academic merit. In 2016 the recipient was:

- > **Dr Phiala Shanahan** (BSc 2011, PhD 2015), in recognition of her outstanding academic achievement at postgraduate level.

Alumni Fellows

The Alumni Fellow award recognises alumni who have made a significant contribution to the advancement of the University's alumni relations program. 2016 recipients were:

- > **Mr Ryan Gu** (M Com (App Fin) 2008), in recognition of his contribution to the Student and Industry Alumni Program and to the Chinese alumni community
- > **Ms Becky Houston** (BA 2003, BCom 2003), in recognition of her contribution to the Chinese alumni community
- > **Mr Mark Rodda** (B AgSc 1996), in recognition of his contribution to the Roseworthy Old Collegians Association.



The University of Adelaide





Governance

The University of Adelaide is governed by its Council, which is established by *The University of Adelaide Act 1971*. The Council has 21 members, is chaired by the Chancellor and advised by its standing committees.

The Council's principal responsibilities are:

- > appointing the Vice-Chancellor and President as the Chief Executive Officer of the University and monitoring his or her performance
- > approving the mission and strategic direction of the University, and the annual budget and business plan
- > overseeing and reviewing the management of the University and its performance
- > establishing policy and procedural principles, consistent with legal requirements and community expectations
- > approving and monitoring systems of control and accountability, including general overview of any entities controlled by the University
- > overseeing and monitoring the assessment and management of risk across the University, including commercial undertakings
- > overseeing and monitoring the academic activities of the University
- > approving significant commercial activities of the University.

Highlights

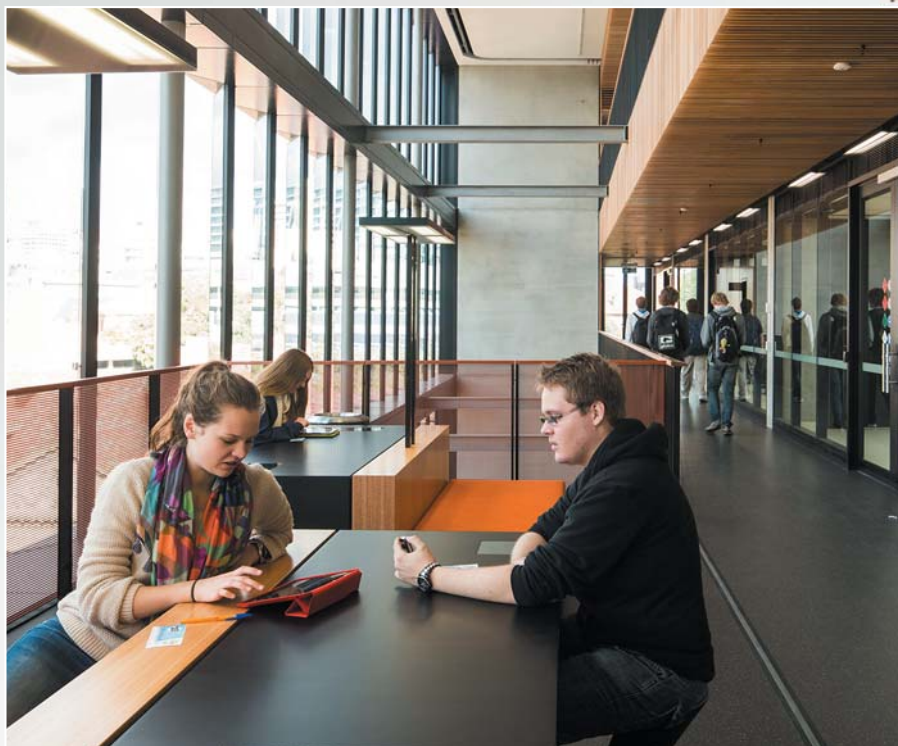
- > Council gave in principle approval to the North Terrace, Roseworthy, and Waite 2016-2035 Campus Masterplan concepts.
- > Council completed a review of the terms of reference of its standing committees. A number of amendments to the various terms of reference were made.
- > New appointments were made to Council and to its standing committees.
- > Council received in February 2016 a revised research strategic plan, *Adelaide Research for Impact* 2016-2018.
- > At its meeting on 30 May 2016, Council reviewed the University's enterprise risks.
- > The Honourable Catherine Branson QC was elected Deputy Chancellor for a two-year term commencing on 1 January 2017.

Strategic planning

At its retreat in March, Council consolidated its 2016 program to discuss strategic issues at each Council meeting during the year.

- > Council received in July 2016, a status report on the 2016-2018 Operational Plan. Council received a further status report at its meeting on 24 October.
- > Council continued to consider revised and new policies throughout the year.
- > Council approved the Infrastructure Investment Plan 2017-2018 at its meeting on 5 December 2016.

Throughout 2016, Council received regular reports from the Vice-Chancellor and other members of the senior management team on progress in implementing the objectives of the *Beacon of Enlightenment* Strategic Plan.



University 2017 budget

In December, Council approved the University of Adelaide 2017 budget. Council also received quarterly management reports and annual risk assessment reports of the University's wholly-controlled entities and approved budgets and business plans for 2017.

Annual meeting of the University community

The annual meeting of the University community was held on 15 February 2016 in the Braggs Lecture Theatre. Both the Chancellor and the Vice-Chancellor and President addressed the audience and the meeting was streamed live via the University's website.

Risk management

Council is required to oversee and monitor the assessment and management of risk across the University, including its commercial undertakings. The Council is assisted in the discharge of its obligations for risk management by the work of its standing committees. Together they provide oversight of the design, maintenance and monitoring of systems that preserve and protect probity and internal controls, and at all times advance the interests of the University. As part of its oversight and monitoring, the following matters came before Council during 2016:

- > Quarterly reports, which contained summarised information to assist Council members in the fulfilment of their duties as officers under the *Work Health and Safety Act 2012*. Council members must exercise due diligence to ensure the University is complying with its various obligations under the act.
- > Regular summary reports regarding the key enterprise risks.
- > The Internal Audit Plan for the period 2017-2020. This plan sets out a rolling four-year program to prescribe those reviews to be undertaken by the University's internal auditors in the agreed auditable areas of the University's activities. These include: student and staff recruitment; internet security and database management; research grant reviews; bequests; international agreements and collaborations; major projects; and facilities and asset maintenance.

Rules and statutes

There were no changes to University rules or statutes in 2016.

Voluntary governance code

The University of Adelaide complies with the Voluntary Code of Best Practice for the Governance of Australian Universities.

Honorary degrees

The following honorary degrees were awarded in 2016:

- > Emeritus Professor Robert Seamark – Doctor of Medicine (honoris causa)
- > Emeritus Professor Jeffrey Robinson – Doctor of Medicine (honoris causa)
- > Professor John Hopwood – Doctor of Medicine (honoris causa)
- > Dr Susannah Elliott – Doctor of the University (honoris causa)
- > Dr Derek Byerlee – Doctor of Economics (honoris causa).

Changes to Council membership

Professor Clem Macintyre retired as Chair of Academic Board, and consequently from Council, on 31 December 2015. Professor John Williams was elected Chair of Academic Board and replaced Professor Macintyre in this ex officio position on Council for the term 1 January 2016 to 31 December 2017.

Mr Peter Siebels was appointed for the term 1 January 2016 to 31 December 2018. Mr Siebels is a professional board member and advisor and, prior to his appointment as a member of Council, had served on the University's Finance Committee since 1 August 2015.

Two new graduate members, Mr Tim Storer and Dr Ian Watson, were elected for two-year terms commencing on 6 September 2016. Mr Robin Day was re-elected as a graduate member for a second term.

Student members were elected for one-year terms commencing on 6 March 2016. Mr Kyriaco Nikias and Ms Lucinda Wojt were elected to the undergraduate positions and Mr Zhao Lu was elected to the postgraduate position.



Council membership 2016

Ex officio members

- > Rear Admiral the Hon. Kevin Scarce, AC, CSC, RAN (Rtd), Chancellor
- > Professor Warren Bebbington, Vice-Chancellor and President
- > Professor John Williams, Presiding Member and Chair of the Academic Board

Appointed members

- > The Hon Catherine Branson, QC
- > Ms Dianne Davidson, AM, Deputy Chancellor
- > Mr David Hill
- > Ms Kerryne Liddle
- > Ms Christine Locher
- > Ms Kathryn Presser
- > Mr Peter Siebels

Co-opted member

Vacant

Elected members

Academic staff:

- > Professor Andrew Abell
- > Associate Professor Felix Patrikeeff

General staff:

- > Ms Julie Hayford
- > Mr Stuart Matthews

Students:

- > Mr Zhao Lu
(from 5 March 2016)
- > Mr Kyriaco Nikias
(from 5 March 2016)
- > Ms Lucinda Wojt
(from 5 March 2016)
- > Mr Ethan Dutcher
(until 5 March 2016)
- > Mr James Johnston
(until 5 March 2016)
- > Mr Jack Lienert
(until 5 March 2016)

Graduates:

- > Mr Robin Day
- > Mr Timothy Storer
(from 6 September 2016)
- > Dr Bruce Ian Watson
(from 6 September 2016)

The University of Adelaide Council and Senior Management – Council Meeting 8/16, 5 December 2016

Seated (L-R):

The Hon Catherine Branson QC, Chair, Audit, Compliance and Risk Committee; Ms Dianne Davidson AM, Deputy Chancellor and Chair, Estate and Infrastructure Committee; Rear Admiral the Honourable Kevin Scarce AC CSC RAN (Rtd), Chancellor; Professor Warren Bebbington, Vice-Chancellor and President; Mr Peter Siebels, Chair, Finance Committee; Dr Nicole Beaumont, Council Secretary

Standing (L-R):

Mr Kyriaco Nikias; Ms Christine Locher, Chair, People and Culture Committee; Mr Zhao Lu; Ms Kathryn Presser; Associate Professor Felix Patrikeeff; Mr Robin Day; Ms Kerryne Liddle; Professor Andrew Abell; Mr Stuart Matthews; Dr Ian Watson AM; Professor John Williams, Chair, Academic Board; Ms Lucinda Wojt; Mr David Hill

Absent:

Ms Julie Hayford, Mr Tim Storer

Council standing committee chairs

as at 31 December 2016

Academic Board

- > Chair, Professor John Williams

Audit, Compliance and Risk Committee

- > Chair, the Hon. Catherine Branson, QC

Convenors' Committee

- > Chair, Rear Admiral the Hon. Kevin Scarce, AC, CSC, RAN (Rtd)

Council Selection Committee

- > Chair, Rear Admiral the Hon. Kevin Scarce, AC, CSC, RAN (Rtd)

Estate and Infrastructure Committee

- > Chair, Ms Dianne Davidson, AM

Finance Committee

- > Chair, Mr Peter Siebels

People and Culture Committee

- > Chair, Ms Christine Locher

Senior Executive Review Committee

- > Chair, Rear Admiral the Hon. Kevin Scarce, AC, CSC, RAN (Rtd)

Special Degrees Committee

- > Chair, Rear Admiral the Hon. Kevin Scarce, AC, CSC, RAN (Rtd)

Council standing committees membership changes 2016

There were a number of changes to the Academic Board membership: seven new members joined as Head of School, or were appointed on the recommendation of their respective faculty boards; and four new student members were appointed by the Adelaide University Union. Professor John Williams commenced as Chair of the Board.

Council amended the terms of reference of the People and Culture Committee to provide for three external members. Mr Scott Ashby and Mr Mark Brownley were subsequently appointed to the committee.

Ms Dianne Davidson, AM, was appointed to the Estate and Infrastructure Committee for a two-year term commencing on 1 January 2017.

Professor Alison Kitson completed her term on the Special Degrees Committee on 31 December 2016.

Mr Thomas Phillips, AM, resigned from the People and Culture Committee in March 2016.

Mr Peter Siebels became Chair of the Finance Committee on 1 January 2016.

Ms Kathryn Presser joined the Finance Committee on 1 January 2016 and was appointed Deputy Chair for a two-year term commencing on 15 February 2016.

Professor John Williams was appointed to the Special Degrees Committee for a two-year term commencing on 16 February 2016 and to the People and Culture Committee for a two-year term commencing on 30 May 2016.

Senior management

as at 31 December 2016

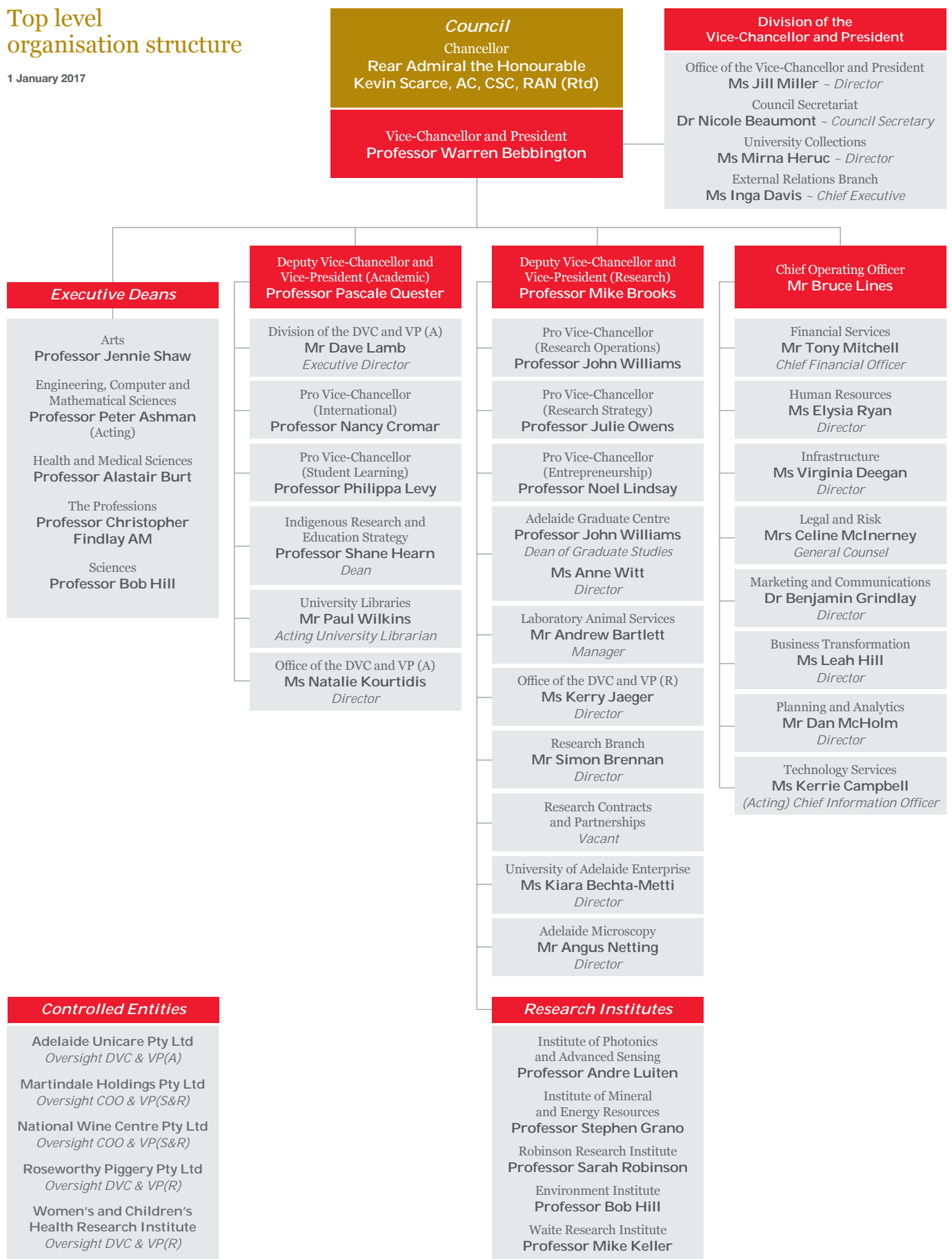
- > Professor Pascale Quester
Deputy Vice-Chancellor and Vice-President (Academic)
- > Professor Michael Brooks
Deputy Vice-Chancellor and Vice-President (Research)
- > Mr Bruce Lines
Chief Operating Officer and Vice-President (Services and Resources)
- > Professor Noel Lindsay
Pro Vice-Chancellor (Entrepreneurship)
- > Professor Nancy Cromar
Pro Vice-Chancellor (International)
- > Professor John Williams
Pro Vice-Chancellor (Research Operations)
- > Professor Julie Owens
Pro Vice-Chancellor (Research Strategy)
- > Professor Philippa Levy
Pro Vice-Chancellor (Student Learning)
- > Professor Jennie Shaw
Executive Dean, Faculty of Arts
- > Professor Peter Ashman
Acting Executive Dean, Faculty of Engineering, Computer and Mathematical Sciences
- > Professor Alastair Burt
Executive Dean, Faculty of Health and Medical Sciences
- > Professor Christopher Findlay AM
Executive Dean, Faculty of the Professions
- > Professor Robert S. Hill
Executive Dean, Faculty of Sciences

Council Secretariat

- > Dr Nicole Beaumont
Council Secretary
- > Mr Andrew Starcevic
Senior Council Officer
- > Mr Mariusz Kurgan
Council Officer

Top level organisation structure

1 January 2017



Learning and teaching

The University is committed to providing a world-class student learning experience that challenges, stimulates, and is of the highest value, grounded firmly in the union of teaching and research.



Learning through discovery and students' participation in the creation of new knowledge are at the heart of the University's *Beacon of Enlightenment* Strategic Plan 2013-2023.

In 2016, the University's strategic plan was supplemented by two further plans—the Strategy for Learning, Teaching and Assessment, and the Internationalisation Strategy—to refine the distinctive strategic vision of the *Beacon* priorities for 2016 to 2018. Additionally, implementation plans were introduced to ensure the strategies outlined were put into practice through a number of smaller, achievable activities.

Oversight of learning at teaching rests with the Division of the Deputy Vice-Chancellor and Vice-President (Academic) (DVC&VP(A)), which comprises the Office of the DVC&VP(A), and key portfolio areas led by the: Pro Vice-Chancellor (Student Learning); Pro Vice-Chancellor (International); Dean, Indigenous Research and Education; and the Executive Director, Division of the DVC&VP(A).

The division's major responsibilities and achievements for the year were:

- > Leading the development of education policies and strategy, including e-learning. The division provides the University's faculties with direction and support in these areas. Divisional units such as Learning Enhancement and Innovation, and Learning and Quality Support, are vital contributors to this work.
- > With a particular focus on recruiting and providing support services to Aboriginal and Torres Strait Islander students, the Wirritu Yarlur Aboriginal Education unit is key to realising the University's goal of improving participation and retention of Aboriginal and Torres Strait Islander students.
- > The majority of central student functions, including admissions, enrolments, student finance, graduations and student records functions, are provided through the division, managed through Student Services and Administration. The division also provides counselling, careers support, accommodation and scholarship services, and has oversight of Hub Central and student information services provided by Ask Adelaide.
- > The majority of the University's domestic and international student recruitment activity is managed through the division under the recently appointed Director, Student Recruitment and Admissions Services. Student recruitment contributes to the University's ability to reach its enrolment targets and achieve revenue goals.
- > The division leads the University's Internationalisation Strategy, including the development of University-wide international partnerships and projects, and providing opportunities for students to study overseas.
- > University Libraries was successfully incorporated into the division and a new librarian commenced and will lead the Library of the Future.



Context and overview

Five major initiatives were developed to advance the University's strategic goals in learning and teaching, led by the DVC&VP(A):

- > Our educational proposition supporting increased small-group discovery experiences; enhanced e-learning functionality; and success for our Massive Open Online Courses (MOOC) program through AdelaideX.
- > Extending the union of teaching and research through the finalisation of the advanced bachelor's programs, further development of final-year capstones and a successful Beacon Conference of Undergraduate Research.
- > Strengthening student experience and career readiness, ensuring that consistent opportunities are made available across the University, including expanded internship, work experience and career mentoring, and commencing planning of the Adelaide Graduate Award to recognise students' extra-curricular activities. Credit-bearing international study options in major undergraduate programs are available to ensure greater student participation in a Global Learning Experience.

- > The Indigenous course enrichment project was implemented across the University and enrolment numbers in the Indigenous Knowledges and Society course increased. Twenty five Indigenous students participated in international exchange and study tours, and further workshops for staff in Indigenous **cultural competence** were delivered.
- > Initiatives supporting the goal of **access and participation** encompassed measures to improve attraction and retention of students from disadvantaged backgrounds, with Children's University Adelaide, and the launch of the University of Adelaide College as the preferred pathway provider for international students.

Over the last three years, demand for the University's programs has been static, with commencements varying within a one per cent band for both domestic and international students. The end of the mining boom has resulted in a significant shift away from engineering and building programs, with a 12 per cent reduction in commencements in these areas. Modest growth elsewhere has maintained overall numbers.

On a regulatory front, the Australian Government continues to incorporate significant savings for Commonwealth supported students within budget forward estimates commencing in 2018. Having seemingly disallowed fee deregulation for the vast majority of domestic students, it is unclear how these savings are to be achieved or how this will impact the University over the long term. The University remains constructively engaged with the consultation process.

Learning and teaching priorities

Key learning and teaching priorities for 2016 focused on further strengthening the University's provision of high-quality, engaging learning experiences enriched by the effective use of digital technologies. The University launched its new Strategy for Learning, Teaching and Assessment (SLTA) 2016-18 in March 2016. Focusing on student engagement and success, the SLTA establishes educational enhancement and innovation goals and transformative actions in seven core areas: curriculum; learning; assessment and feedback; transitions; teaching; community and co-creation; and analytics and evaluation.

Small-group discovery experiences

The University is committed to providing all students with a small-group discovery experience in at least one course, in every year of their degree, across all faculties. The small-group discovery experience brings together small groups of students to discover new knowledge under expert researcher guidance. In 2016, the focus was on embedding the small-group discovery experience into the third year of all bachelor's degrees.

Digital learning

Following review of its Learning Management System (LMS), MyUni, in 2015, the University chose Instructure's Canvas as its new LMS platform to support its strategic learning and teaching goals in 2016.

A major change project, *MyUni Transform*, was launched involving institution-wide transition to Canvas from three systems currently in use across the University. In 2016, 200 courses were run successfully on the new platform and the project was on track to deliver all courses to students on *Canvas* from semester one, 2017. The change of platform is being approached as an opportunity to support adoption of best-practice blended and online learning design principles, and to address student and staff feedback on requirements for the use of MyUni.

Additionally, *MyUni Transform* included transition from the University's previous in-house lecture capture system to implementation of the Echo360 Active Learning platform, which from semester one, 2017 will provide automated recording of all lectures alongside a range of features that support active learning. By the end of 2016, approximately 3000 lecture recordings had already been made using the new platform.



2016 saw considerable progress in the University's development of capability in learning analytics. Data about learners as they undertake their studies provides valuable insight into the effectiveness of learning and teaching approaches, and also offers staff opportunities to identify and better support struggling students. In 2016 the University launched a number of new initiatives in this area, including preparation for the development of analytics dashboards for staff and students.

The Learning Innovations Framework initiative continued to explore a number of new digital learning tools through pilots, with a view to enable wider rollouts, and a new Digital Capabilities project was launched as a collaboration between the portfolio of the Pro Vice-Chancellor (Student Learning) and the University Libraries. This project will establish a Digital Capabilities Framework for the University and support the embedding of digital skills development opportunities for students within academic programs.

Career readiness

A new initiative, the Adelaide Graduate Award scheme, designed to support students to develop and demonstrate career readiness, was established. The scheme, to be piloted in 2017, will recognise students' co-curricular and extracurricular activity and achievements, in areas such as volunteering and work experience, and provide support for effective communication of the skills developed to prospective employers.

Students as co-creators and partners

The University is committed to working closely with students as co-creators and partners in learning and teaching governance, enhancement and innovation, as well as in their learning. The University participated in a national Office for Learning and Teaching initiative, *Students as Partners*, and ran a project that explored undergraduate students' sense of belonging and community in their academic programs at the University. The second phase of this project will follow, and will support student-led change initiatives relating to the sense-of-belonging theme.



Recognition, reward and support for development of teaching

The University provided a number of enhanced opportunities for reward, recognition and development of teaching, and support for learning. Among these, a major new initiative, the Adelaide Education Academy, was officially launched. The academy has been established to support, promote and recognise teaching excellence, and support selected staff who choose to focus their efforts as education specialists. Academy members gained access to grants to support further development and innovation in their own teaching, and participated in a number of special professional development and networking events. Following the second round of education specialist appointments to the academy, the start of 2017 will see membership increase.

The University reviewed and revised its Learning and Teaching Awards in 2016, and Beacon Commendations for the Enhancement and Innovation of Student Learning were introduced alongside the existing Stephen Cole the Elder Awards for Excellence. A new Student-Led Teaching Award scheme was introduced in collaboration with the Adelaide University Union. This is designed to give all students the opportunity to contribute

to the recognition of those deemed to have made an exceptional contribution to student learning at the University.

A new institution-wide peer-review-of-teaching scheme was launched to support staff in personal reflection on, and development and innovation of, teaching, and in the provision of evidence for use in career progression (promotions and Education Specialist appointments). A review of current initial and continuing professional development opportunities for teaching at the University was undertaken, in preparation for launching a pilot of a new professional development framework program in 2017. Support was also provided for the first time for staff to gain international professional recognition for their university teaching through Fellowship of the UK Higher Education Academy.

Six inter-faculty communities of practice supported staff development and scholarship in key areas of learning and teaching enhancement. Each faculty was provided funding for an academic staff role—Stephen Cole the Elder Fellows—focusing on learning and teaching leadership to support e-learning development.

Event highlights

The University's annual Beacon Conference of Undergraduate Research was held in August, with 45 students from a range of disciplines making full presentations, and 18 presenting posters to over 125 delegates. Nine students were selected to present at the Australasian Conference of Undergraduate Research, hosted by Central Queensland University.

The University's sixth Festival of Learning and Teaching was also held in August with the theme: *Connect. Co-Create. Innovate. Educating for Student Engagement and Success.* Over 260 delegates registered for the event, with keynote speakers including Professor Mick Healey (University of Gloucestershire, United Kingdom) and Associate Professor Shelley Kinash (Bond University). Academic staff, professional staff and students presented 24 sessions.

AdelaideX (MOOCs)

The University has partnered with edX, the world's leading non-profit learning-platform provider, to create a range of Massive Open Online Courses (MOOCs) and other open online courses. The MOOC team and academic staff in each faculty delivered three new titles:

- > *Introduction to Project Management:*
First released February, re-released in self-paced mode from June
- > *Music Technology Foundations:*
Released July
- > *Entrepreneurial Opportunities: Making Ideas Fly:* Released September.

The AdelaideX team progressively re-released all remaining 2015 course titles, so that all AdelaideX courses are now available live and on demand to global learners.

AdelaideX achieved the following:

- > total of 380,000 enrolments overall—326,000 individual students from more than 200 countries
- > enabled students to achieve a pass rate of almost 8 per cent
- > established that 1264 current University students have studied an AdelaideX MOOC, of whom 487 have converted from open, informal online study into a mainstream enrolment
- > 2141 on-campus students were offered optional opportunities to engage with MOOCs within their on-campus program.



Quality and review

A major review of the academic unit and program reviews commenced in August. The review considered the guiding principles and processes for reviews, and how they can best support the learning, teaching and research activities of the schools, faculties and the University. The Steering Committee report is expected to be finalised in early 2017 for presentation to the Academic Board.

Across the curricula, 56 program proposals were considered by the Program Approval and Entry Committee in 2016 (six new programs, 17 major revisions, 13 removals and 20 revised admissions criteria). The Learning and Quality Support unit undertook seven reviews. Several programs offered by the University continue to be accredited by professional organisations, ensuring that graduates are professionally qualified and competent to work in their chosen vocation and serving as a quality measure for individual programs.

The following tables provide a summary of units and programs reviewed and/or professionally accredited in 2016.

Reviews

Adelaide Law School
School of Civil, Environmental and Mining Engineering
School of Humanities
Master of Arts (Translation and Transcultural Communication)
Graduate Diploma in Translation and Transcultural Communication
Bachelor of Arts
Bachelor of Arts (Advanced)
Bachelor of Arts (Honours)
Bachelor of Arts and Bachelor of Music
Bachelor of Arts and Bachelor of Science
Bachelor of Arts with Bachelor of Economics
Bachelor of International Studies with Bachelor of Arts
Bachelor of Medicine and Bachelor of Surgery
Bachelor of Science (Marine Biology)

Professional accreditation

Bachelor of Architectural Design
Bachelor of Architectural Design (Architecture majors)
Bachelor of Architectural Design (Landscape major)
Bachelor of Dental Surgery
Bachelor of Engineering (Honours) (Chemical – Minerals Processing)
Bachelor of Engineering (Honours) (Chemical – Sustainable Energy)
Bachelor of Engineering (Honours) (Electrical and Electronic)
Bachelor of Engineering (Honours) (Electrical and Sustainable Energy)
Bachelor of Engineering (Electrical and Electronic)/Bachelor of Science (Physics)
Bachelor of Engineering (Honours) (Mechanical – Computational)
Bachelor of Engineering (Mechanical and Sustainable Energy)
Bachelor of Science with a major or double major in Chemistry
Bachelor of Science (Molecular and Drug Design)
Bachelor of Science (Nanoscience and Materials)
Bachelor of Science with a major in Physics or Theoretical Physics or both
Bachelor of Science (Laser Physics and Technology)
Bachelor of Science (Space Science and Astrophysics)
Bachelor of Science (Veterinary Bioscience)
Bachelor of Teaching
Honours Degree of Bachelor of Science in High Performance Computational Physics
Graduate Diploma in Education
Master of Architecture
Master of Clinical Nursing
Master of Planning
Master of Planning (Urban Design)
Doctor of Clinical Dentistry in Periodontics
Doctor of Clinical Dentistry in Special Needs Dentistry
Doctor of Veterinary Medicine
Adelaide Business School
Enterprise, Commercialisation and Innovation Centre

Educational compliance

The Learning Quality Support unit conducted an audit of evidence, identifying areas of non-compliance to the Higher Education Standards Framework (effective 1 January 2017) within the University with a view to working with relevant areas to address gaps. Areas of non-compliance were addressed either as a result of actions taken under the Strategy for Learning, Teaching and Assessment 2016-18, or through other projects such as the mapping of program learning outcomes to the University's Graduate Attributes.

Policy portfolio

The following policies were approved by the Academic Board in 2016.

Policy	Approved by Academic Board	Effective date
Jointly Conferred Academic Awards Policy	6/04/2016	11/04/2016
Timetabling Policy (new policy)	3/08/2016	12/08/2016
Policy for Admissions to Coursework Programs and Enabling Courses	4/05/2016	1/01/2017
Academic Credit Arrangements Policy (minor amendments)	3/08/2016	12/08/16

Modified Arrangements for Coursework Assessment Policy

The revised Modified Arrangements for Coursework Assessment Policy became effective on 1 January 2016. As a result of changes made to the policy, most faculties saw a reduction of up to 60 per cent in the number of

replacement examination applications received in semester one, suggesting an improved student experience and a significant reduction in academic and professional staff resources.



Student recruitment and admissions

The University's student recruitment and admissions functions were restructured as part of the Professional Services Reform (PSR) program. The primary purpose of the restructure was to ensure student recruitment and admissions services are delivered more consistently, effectively and efficiently across the University.

Input for the conceptual and detailed design of the central student recruitment and admissions model was gathered from a number of sources, including consultation with senior leaders and faculty representatives. A series of reference group workshops were also held, which involved key stakeholders from all five faculties, the marketing and communications branch, and student recruitment and admissions staff.

The new structure for the central Student Recruitment and Admissions team is oriented around the following three functional capabilities and primary objectives:

- > student recruitment services—boost application rates through more effective outreach and recruitment approaches
- > applicant services—lift acceptance rates through more engaged and active conversion practices
- > admissions services—enhance the quality of admissions systems and processes to streamline applicants' end-to-end journey from the point of application to the point of enrolment.

Currently the development of a three-year (2017–2020) University-wide Student Recruitment Strategic Plan and supporting Operational Plan is underway. It is anticipated the new structure, along with the new strategic and operational plans, will enable the University to maintain its ability to attract and select high-quality students in sufficient numbers, and establish a sustainable competitive advantage in an increasingly competitive environment.

Children's University and Adelaide Compass

Children's University continues to provide innovative, fun, extracurricular learning opportunities for children aged 7-14 (extracurricular) and 15-18 (volunteering opportunities). Adelaide Compass is an in-school, curriculum-linked program of engagement and activities aimed at primary school children in areas of greatest need. Adelaide Compass is part of the Journey to Higher Education project, but also creates extension activities validated as part of the Children's University program.

There were 102 events held with 26 schools under the Adelaide Compass program and over 3000 students engaged in on-campus activities. Children's University Adelaide has now secured the participation of 86 schools, 220 public Learning Destinations, and over 5000 student members across South Australia, with 20 school holiday events held and attended by approximately 600

students. Six graduation ceremonies were held with 1110 students graduating, collectively accomplishing 62,157 hours of extracurricular learning.

Over 107 University student volunteers have assisted with widening participation activities, providing enormous support to the programs delivered, by volunteering 1483.5 hours.

Children's University Australia was successful in its bid through the federal government's National Priority Pool funding to develop a project titled *University Regional Lecture Series*, which will develop science, technology, engineering and maths (STEM) lectures and resources for schools and parents. The series will be developed in collaboration with faculties, the defence industry and regional development boards, specifically targeting rural and remote areas.



Scholarships

University-funded scholarships continue to target students who demonstrate outstanding academic merit, and those in financial need, from rural or isolated areas or non-English speaking backgrounds.

The University administered 100 donor-funded scholarships in 2016. New donor-funded scholarships include: three scholarships with total funding of \$15,000 from Ausgold Limited; \$32,000 from the Cowan Grant Trust to fund overseas travelling scholarships; and \$10,000 from Milner Road Foundation to fund a student in financial need commencing a program in the Faculty of Engineering, Computer and Mathematical Sciences.

In addition to newly funded scholarship recipients, 391 students received ongoing undergraduate, honours or postgraduate coursework scholarships. These scholarships—valued at \$1,596,213.00—lift the total value of scholarships to over \$3.4 million.

New scholarships funded in 2016:

Funding source	Number of new scholarships awarded	Total value
Australian Government	81	\$261,190.50
University of Adelaide	264	\$1,086,425.00
Donors*	100	\$499,700.00
Total	445	\$1,847,315.50

*Includes corporate donors, state government, private philanthropists and bequests.

Indigenous education

The University of Adelaide continued to make progress against all metrics and initiatives as set in its integrated Aboriginal and Torres Strait Islander education strategy, *Tarrkarri Tirrka (Future Learning)*. The projected overall enrolment target of 235 was exceeded, with 256 students enrolled, and increases across all faculties and program types. The University's total number of Indigenous staff was reported at 39.

Professor Shane Hearn, Dean Indigenous Research & Education Strategy, commenced in June, charged with reinvigorating *Tarrkarri Tirrka (Future Learning)* and overseeing the operations of Wirltu Yarlu. Since his commencement, the operational structure of the centre has been realigned to strategic objectives that will allow for an increase of Indigenous students' progression and successes in higher education.

Wirltu Yarlu hosted *Marni Wingku*, its secondary school participation program, for the third year and welcomed 98 students from 13 metropolitan schools. The team aims to continue building on the success of the program in 2017 and broaden into regional schools.

The Indigenous Knowledges and Society major continued to strengthen its enrolments and offerings. The two first-level courses enrolled over 150 students from across the University and international institutions. *International Indigenous Knowledges* visited the Saami people of Sweden, with 12 students learning of their culture in comparison to Indigenous Australians.

Twenty four Indigenous staff and students participated in study tours, exchange and research trips, funded by donors such as the Taplin Bursary, the Law Foundation of SA, and the Aurora Project.

Global engagement

The University continued to implement its Internationalisation Strategy, which saw refinement of the Priority Partnerships program, an increase in the number of students studying abroad, and growth in the Experience Adelaide program.

International partnerships

The Priority Partner program provided 42 seed grants to build collaboration with the University's Priority Partners in research, student mobility, and teaching and learning.

Priority Partner institutions

Shanghai Jiao Tong University (China)

North Carolina State University (USA)

Nagoya University (Japan)

University of Alberta (Canada)

University of Nottingham (UK)

Harbin Institute of Technology (China)

Bogor Agricultural University (Indonesia)

University of Strasbourg (France)

University of Freiburg (Germany)

The University continues to be an active participant in international networks, including AC21 and the global network of Confucius Institutes.

The Global Engagement Office has facilitated 53 high-level visits from 13 countries, and established 39 new international agreements. Eighteen existing agreements have been renewed and 15 discontinued.

Student mobility

The number of students undertaking an international study experience continued to increase, with 1568 students participating in a total of 1690 unique experiences—711 of them being on one of the University's 52 international study tours.

Commonwealth-funded student grants for international study also increased, with a total of \$982,400 received through the Endeavour and New Colombo Plan mobility programs. A further \$166,500 in Beacon Travel Grants was provided to outbound exchange students.



Experience Adelaide

The Experience Adelaide program continued to grow, with a total of 265 new overseas students participating—the highest since its establishment three years ago.

For international students, the program offers a unique opportunity to build a personal connection with members of the University community, and gain a better understanding of Adelaide and Australian culture.

Feedback from participants has been overwhelmingly positive, with 94 per cent of volunteer hosts, including local alumni, staff and domestic students, saying they would recommend the program to others.

By the end of 2016, a total of 738 new international students from 60 different countries were connected to 379 volunteer hosts.

The volunteers comprised of 64 per cent alumni, 11 per cent staff members, and 25 per cent domestic students. The number of local domestic students active in the program has increased significantly this year compared to 2015, up by 19 per cent. However, expanding the volunteer base, particularly among domestic students, continues to remain a priority.

Ngee Ann—Adelaide Education Centre (NAAEC), Singapore campus

The University of Adelaide has decided to bring its collaboration with The Ngee Ann Kongsi to an end and wind up the organisations' joint education venture, Ngee Ann—Adelaide Education Centre (NAAEC), in Singapore.

Ngee Ann Kongsi and the University of Adelaide first partnered in 1998 to deliver top-quality education through NAAEC. However, after 18 years of productive work, the partners in the joint venture have agreed to bring it to a close. Since the establishment of the NAAEC, the global Higher Education global market has dramatically changed, influencing this decision.

Teach-out of current students

At the time of the public announcement in August, there were 645 NAAEC students actively studying in programs accredited to the University of Adelaide. The University is working with these students individually to develop personalised study plans.

Teaching will continue through 2017, with the NAAEC closing at the end of that year. At the end of 2016, 189 students graduated and a further 366 are expected to graduate at the end of 2017. Approximately 90 students will remain in 2018, with their teaching-out managed either online through Adelaide, or through other comparable higher education institutions in Singapore.

Singapore alumni

Over 2500 students have graduated with a degree from the University of Adelaide through the NAAEC, and Singapore has been the source of some of the University of Adelaide's most gifted graduates and prestigious alumni.

The University will continue to hold its Singapore students in high esteem, and to support and engage alumni with renewed and targeted vigour. Ongoing financial and administrative support will be provided through the External Relations office in Adelaide.

Student life, culture and sport

The student cultural experience at the University of Adelaide continues to be among the best available at any Australian university, with growing participation in student clubs and organisations.

The Adelaide University Union delivered a vibrant program of over 60 events and activities across all three campuses in 2016. The year started with O'Week, which drew thousands of new and returning students for five days of entertainment, activities, games and more. Highlights included Clubsland, where students could explore and join new clubs, the Comedy Mega Jam, featuring well-known comedians Hannah Gadsby and Tom Ballard, and concluded with the Friday-night O'Party.

Events throughout the year included: At the Cloisters, which featured live music, pop-up food vendors and live art installations in the University Cloisters; the Adelaide University SALA exhibition, which showcased the works of more than 50 student artists over two weeks in August; and Summer Expo, with live music, market stalls, rides and summer-themed activities.

The Breakfast Club program was increased to two days a week in 2016, providing free breakfast to students every

Tuesday and Thursday during terms.

Non-sporting clubs grew substantially in 2016, surpassing 150 clubs by year-end and providing students with a wide range of special-interest activities and social events.

More than 130 students participated in the Adelaide University Union's volunteering program, receiving valuable work experience, professional development and training, and broadening their social networks.

Adelaide University Sport continued to provide an array of sporting opportunities and activities through its participation in O'Week: community events, including the City-Bay Fun Run (entering the event's biggest team, with 350 participants); the annual Vice-Chancellor's Cup footrace, won for the second time by the Faculty of Sciences; the resurrection of intervarsity football against fellow Group of 8 universities, Melbourne, Monash and ANU; and the tri-university SA Challenge against Flinders and UniSA, held in April.

Gus the Lion was welcomed as the AU Sport mascot on Open Day. Gus is appropriately named after Augustus Short, the first Vice-Chancellor of the University.

Students represented the University at various sporting events, including: the South Australian Challenge; the Southern University Games, held in Adelaide for the first time in eight years; and the Australian University Games (AUG) on the Gold Coast, where the University of Adelaide team brought home 24 medals—a record for an 'away' games.

A sport highlight was winning the Oxford and Cambridge Cup for rowing eights for the fourth time in the past eight years—a fantastic effort considering the University had only won the trophy on seven occasions in the previous 120 years of the competition.

In recognition of the valuable contribution to campus culture made by the University's growing clubs, a Club Development and Leadership Program was introduced to provide them and their volunteers with greater assistance.

The West Beach playing fields were upgraded to allow for more outdoor sport spaces for the University's growing clubs, and were officially opened by the Vice-Chancellor in October.



Research

The University continues to deliver world-class research outcomes across a broad range of disciplines, with a focus on attracting the best researchers, investing in high-quality facilities, and encouraging an innovative and dynamic research culture. In 2016, the University consolidated its position in the top one per cent of the world's universities, with significantly improved results in two of the leading international ranking schemes.

The Division of the Deputy Vice-Chancellor and Vice-President (Research) provides critical research support services and infrastructure to University staff and research students, as well as the strategic support necessary to maximise future opportunities. The division comprises the following key portfolio areas:

- > Adelaide Enterprise
- > Adelaide Graduate Centre
- > Adelaide Microscopy
- > Laboratory Animal Services
- > Office of the Deputy Vice-Chancellor and Vice-President (Research)
- > Research Branch
- > Research Contracts and Partnerships.

Context and overview

The University faces new and ongoing challenges, with:

- > high rates of change and uncertainty in the higher education sector
- > a heightening imperative to address state and national priorities, as well as complex global problems
- > the need to transform university-industry engagement and innovation in support of economic and social wellbeing
- > accelerating trends of digital disruption, technological transformation, globalisation, urbanisation, and demographic and climate change.

The University's Research Strategic Plan 2016-2018, *Adelaide Research for Impact*, is the University's immediate response to the current challenging research environment, and is intended to ensure our position as an internationally eminent, research-intensive university that generates local, national and global impact.

The plan, launched in June 2016 and benefitting from extensive consultation with the University community and

external stakeholders, reaffirms the vision espoused in the *Beacon of Enlightenment*—to be seen as an international institution that distinctively embraces the ideal of the research university—and seeks to position the University to respond well to new challenges, including the National Innovation and Science Agenda.

Focusing on our mission to conduct world-class research and innovation, engage globally, and partner with industry, government and the community to create high-value economic and social dividends, the plan has four main themes:

- > research excellence—delivering world-class research in our selected endeavours
- > industry engagement and innovation—translating research for economic and social benefit
- > global partnering—engagement for improved research impact and translation
- > high-performance culture and capacity—supporting our people with operational excellence.

Research key objectives

The University's key research priorities include:

- > attracting and retaining top talent
- > fast-tracking research career development
- > stimulating interdisciplinary research
- > recruiting highly-cited researchers
- > enhancing PhD programs
- > promoting translation of research
- > lifting end-user utilisation and commercialisation of research
- > encouraging partnerships with industry and entrepreneurs
- > improving support for researchers via enhanced systems, services and infrastructure.

Major collaborative partnerships

Members of the University collaborate with industry, government, other research institutions and the general community in many and varied ways. The following provides examples of major partnership development in 2016.

Defence and security sector

There has been continued growth and engagement with the important defence and security sector, particularly with the Defence Science and Technology Group. In 2016 the University secured in excess of \$4 million of new business for this sector, and appointed Professor Michael Webb as Director, Defence and Security. The University also became one of the primary stakeholders in the Joint Open Innovation Network, a new collaboration between industry and academia that aligns research and industry solutions to the strategic needs of Australia's defence sector, and facilitates career pathways into the defence industry.

Food security and innovation sector

In April 2016, the federal government awarded \$1 million to the new Australia-China Joint Centre of Grains for Health. This is in addition to \$4.9 million of cash and in-kind support from research and industry partners. The centre is a partnership between the University of Adelaide and Shanghai Jiao Tong University. Research is focused on developing healthy varieties of wheat and rice to improve human diets.

In November, Professor Andrew Lowe was appointed as Director, Food Innovation, to provide a focal point for the development of major new multidisciplinary initiatives in collaboration with industry and government.

Health and biomedical sector

Glaxo Smith Kline and the University signed a major agreement valued at \$15 million over the next three years to undertake a Meningococcal B Vaccine Herd Immunity Study. Led by Associate Professor Helen Marshall, the study involves offering free vaccinations for 60,000 eligible teenagers and young adults from across South Australia who are enrolled in years 10, 11 and 12, as part of a state-wide study into the impact of immunising large community groups against the disease.

Research institutes

The University's research institutes are charged with attending to national and state priorities, tackling grand challenges of critical value to society, operating across multiple disciplinary boundaries, and working with key industries.

Environment Institute



Institute focus: Develop and implement solutions to improve the health of the environment, our wellbeing and to sustain our economy. Key areas include: uncovering how life has evolved on the Australian landmass; confronting environmental issues around the sourcing and supply of clean water; and working to ensure the environment can thrive despite the pressures of society.

2016 highlights

- > A new \$600,000 artificial reef system is to be built south of Ardrossan, constructed from limestone, oyster shells and live native oysters, with construction set to create a raft of intergenerational economic, social and environmental benefits.
- > Research published in the journal *Nature* showed humans occupied Australia's arid interior and began developing sophisticated tools 10,000 years earlier than previously documented—around 49,000 years ago.
- > Creation of a strategic partnership with global organisation Conservation International that will help boost conservation efforts in the Asia-Pacific region, including a global conservation drone program.
- > Collaboration with South Australian food manufacturer Spring Gully Foods to investigate potential sources of food colourings among Australian native plants.
- > Development by institute researchers of DNA markers for certain trees led to the conviction of National Forest timber thieves in a landmark case in the United States.
- > The institute sent a delegation to the Marrakech Climate Change Conference.

Institute for Mineral and Energy Resources (IMER)

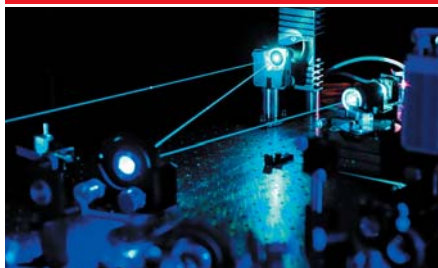


Institute focus: Large-scale, interdisciplinary opportunities and challenges in deep resources, deep mining, complex processing, unconventional energy resources, and reliable low-cost and low-emission energy technologies.

2016 highlights

- > The University was awarded \$4.5 million from the Australian Renewable Energy Agency (ARENA) for the project *Integrating concentrating solar thermal energy into the Bayer alumina process*.
- > IMER became a node of the National Energy Resources Australia Industry Growth Centre, and jointly hosted a workshop on *Future Oil and Gas Resources for Australia*, with the purpose of reaching a consensus on what industry-led research is needed for future petroleum resources to be developed in Australia.
- > The ARENA project *Australian Energy Storage Knowledge Bank* was officially launched in November 2016. The project involves building a mobile energy storage test platform and establishing an online database for energy storage expertise.
- > The Centre for Energy Technology, ARENA and the South Australian Government co-hosted the SA Energy Symposium, which examined the role of contributing technologies, and the most effective integration strategies and policy to resolve our challenges.

Institute for Photonics and Advanced Sensing (IPAS)

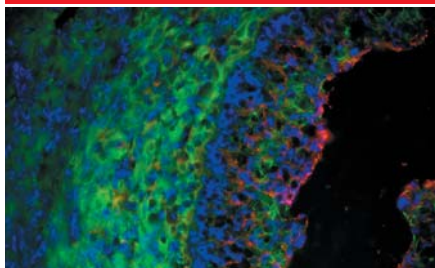


Institute focus: To pursue a transdisciplinary approach that brings together experimental physicists, chemists, material scientists, biologists, engineers and medical researchers to create new sensing and measurement technologies.

2016 highlights

- > \$4.5 million of defence funding was secured towards development of an Ultra-High Quality Signal Generation and Signal Distribution for Over-the-Horizon Radar System (Professor Andre Luiten, Professor John Hartnett, Associate Professor Martin O'Connor).
- > Agreement was reached on a major collaborative research project with Mitsubishi Heavy Industries on Ultra-High Temperature Sensing (Professor Heike Ebendorff-Heidepriem, Dr Stephen Warren-Smith).
- > The Australian Research Council announced the new Centre of Excellence for Gravitational Wave Discovery, which has a node in Adelaide (Associate Professor Peter Veitch and Associate Professor David Ottaway).
- > Professor Robert McLaughlin, Chair of BioPhotonics, and his team, commenced work in Adelaide on their Smart Needle Technology.

Robinson Research Institute



Institute focus: The early stages of life, to improve the health and wellbeing of children and families over the life-course and across generations. The institute seeks to enable a healthy start, through: fertility choices and mindful conception; nurturing the baby during pregnancy and birth; strengthening the brain and body in early life; and advancing child and adolescent health to treat and prevent disease.

2016 highlights

New research advances included: finding that an extra 1000 steps a day improves the cardiovascular health of children with type 1 diabetes; confirming that baby boys are at greater risk of pregnancy complications than girls; demonstrating that marijuana use in pregnancy is a major risk for preterm birth; and discovering disadvantaged women face twice the risk of delivering a stillborn baby.

In partnership with SA Health, institute members launched the Australian-first meningococcal B study. This study is offering free vaccinations against meningococcal B to 60,000 students in years 10, 11 and 12 as part of a state-wide study into the impact of immunising large community groups against the disease.

The institute ran a number of outreach initiatives to increase collaboration between researchers and industry, and disseminate research findings. These events presented the latest research in vaccinology, reproductive and women's health, men's health in reproduction, the future of assisted reproduction, and sexual health in the 21st century.

Waite Research Institute (WRI)



Institute focus: Plant genetics and genomics, crop development, viticulture and oenology, food and nutrition and natural resource management.

2016 highlights

- > The launch of an online portal for the Waite precinct (www.thewaite.org) to enhance communications across the campus and engage with external stakeholders. This was a shared initiative developed and resourced by the WRI.
- > 10 early-career researchers commenced the successful WRI Research Leadership Development Program.
- > The WRI organised and supported the inaugural *Waite in the Spotlight* in July 2016, a shared Waite precinct event featuring short TEDx-style talks for a broad audience and celebrating the diversity of research at the Waite.
- > The award of a \$4 million Rural Industries Research and Development Corporation grant for a project on securing pollination for a more productive and profitable agricultural sector, building on previous WRI-funded work by Dr Katja Hogendoorn.
- > Adelaide Glycomics was launched in partnership with Agilent Technologies. In conjunction with the School of Agriculture, Food and Wine, the WRI has supported the establishment and ongoing operations of this world-leading facility.

Research centres

The University has approximately 50 research centres across the spectrum of its research strengths.

Three new University research centres were approved in 2016:

- > Centre for Global Food and Resources, with a multidisciplinary focus on research for healthy and resilient agri-food, water and environmental systems.
- > J.S. Davies Research Centre, with a focus on research to underpin agricultural sustainability by improving livestock production, health, welfare, food supply and quality.
- > Centre for Applied Conservation Science (in collaboration with Conservation International), which aims to:

- ~ create and support research training opportunities in the Asia-Pacific region
- ~ jointly identify and cultivate areas of scientific innovation
- ~ build mutual capacity for the advancement of environmental science and its translation to real world applications.

In early May, the University was awarded \$2.6 million to establish the Australian Research Council (ARC) Research Hub for Graphene Enabled Industry Transformation. Graphene can provide innovative solutions to a range of industries, such as advanced manufacturing, mining and minerals technology and services, medical technologies and pharmaceuticals, and defence.

The University is a partner in the new ARC Centre of Excellence for Australian Biodiversity and Heritage led by the University of Wollongong, and the ARC Centre of Excellence for Gravitational Wave Discovery led by Swinburne University of Technology.

The Global Institute of Traditional Medicine was launched in Beijing in December 2016. This innovative venture is a significant partnership between the University of Adelaide and three leading Chinese universities of Traditional Chinese Medicine (TCM) — Shanxi, Jiangxi and Heilongjiang. The aim of the institute is to help unlock the value of traditional medicines for addressing global health challenges.

Research performance

The University was for the first time ranked in the top 150 universities worldwide in the three major international rankings schemes. It is particularly noteworthy that our strategies have seen the University progress 82 places over the last five years in the prestigious Academic Ranking of World Universities. This reflects the excellence of our researchers and support staff.

Ranking Scheme	2016 rank
Shanghai Jiao Tong Academic Ranking of World Universities	139
<i>Times Higher Education</i> World University Rankings	142
QS World University Rankings	125

Research indicators

Research income		
	Total research income	Category 1 research income
	\$ million	\$ million
2016*	156.4	74.2
2015^	170.3	84.4

Higher degrees by research (HDR)		
	HDR load (EFTSL)	HDR completions
2016*	1641	403
2015**	1678	401

*2016 preliminary eligible Category 1 to 4 Higher Education Research Data Collection (HERDC) Research Activity.

^ 2015 Eligible Category 1 to 4 Higher Education Research Data Collection (HERDC) Research Activity.

*2016 data is preliminary. Source: Data Warehouse.
 **Source: Data Warehouse. Department of Education and Training funding announcement.

Major research grant outcomes

The University attracts research income from a wide variety of sources, although major contributors remain Australian Government agencies. The following is an overview of some of the major funding outcomes for 2016.

Australian Research Council (ARC)

Major ARC grant funding awards for 2017 were announced in November, with the University awarded approximately \$16.5 million across the Discovery Project, Discovery Early Career Researcher Award (DECRA), Future Fellowships, and Linkage Infrastructure Equipment and Facilities (LIEF) schemes.

Research projects that will use this funding include: investigating clean and cost-effective solar hydrogen energy; analysing the impact of climate change on fish stocks in our oceans; improving our understanding of how bacteria function and adapt to change; and developing nanotechnology materials that could have widespread application to industry.

Five LIEF grants, worth \$2.9 million in funding, is the University's best result in the last 10 years, and the third highest nationally, representing approximately 10 per cent of the available funding.

In May 2016, the University was awarded eight Linkage Project Grants worth \$2.7 million. This included a project to extract value from spent barley grains, the major by-product of the brewing industry, and another to develop an automated and distributed spatial tracking approach using low-cost unmanned aerial vehicles to locate and study endangered wildlife.

Including the \$2.6 million for the ARC Research Hub for Graphene Enabled Industry Transformation, this brought the University's total ARC funding for the year to \$21.9 million—approximately 64 per cent of the state's ARC funding allocation.

National Health and Medical Research Council (NHMRC)

The NHMRC awarded the University approximately \$17 million in funding for 2017 across a variety of schemes, including project grants, partnership grants, equipment grants and fellowships. Some areas of research this will fund include: effective and durable control of lethal prostate cancer; human papillomavirus and oropharyngeal cancer in Indigenous Australians; and re-energising the preimplantation embryo to extend lifetime health.

Highlights of the funding outcomes included:

- > \$1 million Partnership Grant to Professor Marco Peres's research group—*Delivering effective dental healthcare in 2020-2030: A national longitudinal partnership study of burden of oral diseases in Australia*
- > \$975,000 for a Targeted Calls for Research – Preventing Obesity Grant to Associate Professor Philippa Middleton's Group—*Improving nutrition and health outcomes for women and babies in the Aboriginal Family Birthing Program*
- > \$700,000 Research Fellowship awarded to Associate Professor Rebecca Robker—*The legacy of the egg: How maternal factors set offspring health and life-course potential*.

University of Adelaide researchers worked in close collaboration with many research partners, including the state's public hospitals and the South Australian Health and Medical Research Institute.

Other grant outcomes

The Grains Research and Development Corporation provided funding worth over \$9.7 million across eight new projects in 2016, with Dr Olena Kravchuk's five-year program renewal worth approximately \$4 million. Her research objective is to increase the statistical capacity of the Australian grains industry in order to strengthen research outcomes. Dr Jeff Paull received almost \$3 million for the Australian faba bean breeding program, and Professor Stuart Roy, in association with the Australian Centre for Plant Functional Genomics, received over \$1.4 million for high-value genes for higher wheat yield as part of an international wheat yield partnership.

The Department of Agriculture and Water Resources awarded funding for two projects, with a total of \$4.1 million allocated to the University. One project, with Professor Wayne Pitchford, is for advanced technologies for Australian meat value chains, and the other, led by Professor Andrew Lowe, is the area of pollination for more productive agriculture.

Professor Claire Roberts received US\$1 million in funding from the US National Institutes of Health to investigate maternal molecular profiles and their reflection on the placenta.

Four new projects totalling \$650,000 were funded by the Australian Grape and Wine Authority, in areas of wine marketing and investigating stressors on grapevines.

The South Australian Grains Industry Trust provided funding for three new projects, with a total of just over \$200,000, in the areas of sodicity-tolerant oat varieties and assessing crop nitrogen and stress status.

The Australian Centre for International Agricultural Research awarded \$4.6 million across eight projects, with Professor Wendy Umberger receiving \$1.6 million for research into dairy chains in Indonesia, and Professor Matthew Denton awarded \$1.9 million for profitable crop-livestock systems in Cambodia and Laos.

The Channel 7 Children's Research Foundation awarded nine grants to University of Adelaide researchers worth over \$600,000.



Industry-research collaboration

During 2016, the University implemented a restructure of its contracting and commercialisation operations. This saw the replacement of Adelaide Research and Innovation Pty Ltd by two new University groups: Adelaide Enterprise (AE) and Research Contracts and Partnerships (RCP). AE manages commercialisation of the University's intellectual property (IP) through licensing and spinout activity, and administration of the IP portfolio and commercialisation education. RCP manages business and partnership development, which includes contract and consulting development and management, and oversight of contract delivery with researchers.

Notable agreements among the hundreds of examples of research-industry collaboration include:

- > Over \$6 million of funding to the School of Computer Science for the development and rollout of a digital Massive Online Open Course targeted at closing the divide experienced by disadvantaged students from foundation through to Year 10.
- > Adelaide Health Technology Assessment (AHTA) in the School of Public Health was awarded a new contract with the federal Department of Health, valued at more than \$3 million over four years. AHTA will evaluate the safety, efficacy and cost-effectiveness of medicines for which a submission has been made to the Pharmaceutical Benefits Advisory Committee.
- > The Institute for Photonics and Advanced Sensing was awarded a \$2 million contract under the Australian Government's Capability and Technology Demonstrator program to adapt and develop its Sapphire Clock. The technology is expected to be part of Australia's defence capability upgrade to the Jindalee Operational Radar Network.

Spin-out companies and technology development

The University's \$400,000 Commercial Accelerator Scheme (CAS) changed focus in 2016 to encourage more opportunities that could be spun out into companies. Of 15 applications, six were successfully funded and two received encouragement awards. The CAS is now in its tenth year. Since inception, and including this year, it has provided \$3.9 million in funding to 39 projects.

From the CAS funds received, two investigator-led companies have been established, with two others being worked up into an investible proposition in collaboration with AE. In 2016, two licensed CAS technologies started generating revenue and two further technologies were licensed to industry partners.

Highlights for the year include:

- > The University's Robinson Research Institute (RRI) became a member of the \$200 million Medical Research Commercialisation Fund. The Fund gives prospective spin-out companies from the RRI the opportunity to pitch their research for venture funding.
- > The grain varieties bred by the University continued to do well, generating over \$3 million in royalty returns to the University and its partners.
- > The number of revenue-generating licences increased from 24 to 40 in 2016.
- > Two new companies were established to commercialise University-licensed technology in reproductive health and cancer diagnostics respectively.
- > The University has continued its collaboration with global biopharma company AstraZeneca to give University researchers access to AstraZeneca's drug compounds for research into the development of new medicines.
- > Four teams from the University were selected to participate in the CSIRO *ON Prime* program. The teams participated in the intensive eight-week program to validate their science and technology ideas in the lab and marketplace.

Business development and promotion

In July 2016, Professor Noel Lindsay was appointed as Pro Vice-Chancellor (Entrepreneurship), with the role of providing further vision and momentum in promoting an entrepreneurial and innovative culture within the University.

During the year, planning commenced on the establishment of an Innovation Hub to improve connection between University-wide research and business development units and external stakeholders. The Innovation Hub is designed to facilitate a collaborative and entrepreneurial community, attract diverse members with diverse knowledge, facilitate creativity and collaboration, stimulate an entrepreneurial culture, and link to other innovation precincts, networks, and eco-systems locally, regionally and globally.



Research training

Professor John Williams commenced as the new Pro Vice-Chancellor (Research Operations) and Dean of Graduate Studies on 1 January 2016. His role is to drive further progress in the core area of research training of higher degree by research (HDR) students, as well as contributing to the oversight of research integrity and the wider research effort.

The University enrolled 541 new HDR students in 2016, comprising 388 domestic and 153 international students. Full-year figures for 2016 show a record 403 HDR completions, comprising 331 PhDs and 72 master's by research students.

As part of its Strategic Plan, the University has committed to doubling the number of scholarships available to international doctoral students, and these continued to be awarded to students from the University's key partner institutions in 2016. Domestic research students were supported by 150 Australian Postgraduate Awards, complemented by 150 University Divisional Scholarships. The University also provided 71

scholarships for international research students to cover tuition fees and a living allowance.

The research communication competition, *Three Minute Thesis*, was held for the sixth year. This competition helps HDR students develop academic and research communication skills. The 2016 competition was won by Ms Frances Williams for her outstanding presentation, *Sustainable water treatment in developing countries*.

More than 60 Career and Research Skills Training (CaRST) training sessions were held for HDR students, on topics such as statistics, career exploration and planning, research and project planning, working with others, and presenting. CaRST is an initiative to prepare HDR students to enter a diverse array of research and research-related career paths. In addition, a trial was undertaken to embed CaRST within the research degree, requiring students to record a minimum number of hours on skills development activities throughout their candidature, and provide evidence of their training experiences in

an ePortfolio. This program will be rolled out to all commencing PhD and Master of Philosophy students in 2017.

An online Annual Review of Progress form was released during the year, ending the need for students and staff to complete paper forms. This improves the completion of the review and allows easier monitoring of progress. It replaces over 40,000 pieces of paper.

The University continued to establish joint PhDs with international universities, adding to existing agreements with the University of Nottingham, the University of Freiburg and Nagoya University.

A new Epigeum Research Integrity course designed to provide researchers with training in integrity issues—including conflicts of interest, authorship, responsibility to society and research misconduct—was adopted by the University and released on MyUni. This course is compulsory for completion by commencing academic staff and will be expanded in 2017.

Research support

The University continued to invest in research infrastructure and other initiatives to support the University's researchers in achieving their goals.

University of Adelaide Research Fellowship Scheme

2016 saw the launch of the University Research Fellowships Scheme, which was established to retain, attract and support early-career and mid-career researchers of outstanding research calibre and potential. The inaugural round saw 26 fellowships awarded, with support of up to three years provided to the top six applicants and one year to the remaining recipients. The awardees' research programs and track records relate to various strategic priority and high-performing research areas, including: cardiovascular and metabolic health and nutrition; population and migration; plant breeding; defence and security; nanophotonics; geoscience; genetics and evolution; and pure mathematics. It is anticipated that total University investment in the scheme will exceed \$10 million over the next three years.

University of Adelaide Interdisciplinary Research Fund

Addressing global challenges and national priorities with interdisciplinary teams is a key strategic objective in the University's research strategy, *Adelaide Research for Impact*. The Interdisciplinary Research Fund provides project seed funding of approximately \$25,000 per annum. In 2016, funding was awarded for 20 new projects, together with an extension of support for the Bioinformatics Hub.

University of Adelaide Research Infrastructure Scheme

The Research Infrastructure Scheme provides researchers with top-quality research infrastructure and related services, contributing to a high-performance research culture. The 2016 round saw the awarding of over \$3 million for 21 successful applications. Examples of the funded infrastructure include: customised software to enable high-accuracy geocoding of street address data for data linkage and spatial analysis; Tekscan Pressure Mapping for Engineering Applications sensors to measure static and dynamic contact, and interface stresses in engineering design; and a Triple Quadrupole Liquid Chromatograph Mass Spectrometer to measure small concentrations of drugs and their metabolites and molecules in human and animal biological fluids for pharmacokinetic and biomarker analysis.

Barbara Kidman Women's Fellowships

2016 saw the fifth round of the successful Barbara Kidman Women's Fellowships scheme. The initiative supports female academics to enhance and promote their research careers, particularly where research momentum has been affected by caring responsibilities. The successful recipients of 2017 fellowships were: Dr Tania Crotti (Medicine), Dr Cruz Izu (Computer Science), Dr Olena Kravchuk (Agriculture, Food and Wine), Dr Sanam Mustafa (Medicine), Dr Pam Papadelos (Social Sciences) and Dr Elizabeth Reed (Physical Sciences).

Indigenous Staff HDR Completion Program

The Indigenous Staff HDR Completion Program was launched in 2016. It is designed to provide Indigenous staff employed by the University with the opportunity to facilitate completion of a PhD or master's by research degree. It is a strategic investment to improve Indigenous staff qualifications, promote productive research careers, increase research capacity, and achieve best-practice diversity in our research workforce. The inaugural recipient was Ms Jenni Caruso in the School of Humanities.



External relations

In 2016 the University reorganised its Advancement, Corporate Relations and Media units into a new External Relations office, under a new Chief Executive, to better manage its engagement with government, industry, alumni and the community.

Alumni relations

Alumni networks continued to grow nationally and internationally, with over 15 University of Adelaide alumni networks now active across the globe. A focus on our alumni in Singapore and China was a priority, and there are plans to launch a China network in 2017.

Alumni participation continued to grow, with readership for alumni publications *Lumen* and *Alumni eNews* expanding, and events held in London, San Francisco, Singapore, Beijing, Shanghai, Sydney, Melbourne and Adelaide all well supported.

The University of Adelaide Alumni Council, chaired by Adelaide businessman and alumnus Dr Tim Cooper, AM, (MBBS 1980, MBA 1998), met four times during 2016. Council elections were held in April, with three new members appointed and the retirement of 10 members at the expiry of their term.

The 30th annual Golden Jubilee reunion was held, with 112 graduates from 1966 returning to Bonython Hall to re-enact their graduation ceremony of 50 years prior and reminisce over old times. While celebrating this significant milestone, they contributed \$10,490 through a Class Gift to support a PhD student.

Alumni continued to participate in the Experience Adelaide program, connecting first-year international students with Adelaide-based alumni families; and over 170 alumni, representing alumni networks in Australia and internationally, volunteered their time to provide a range of opportunities for alumni to connect with each other and support the University.

Philanthropy

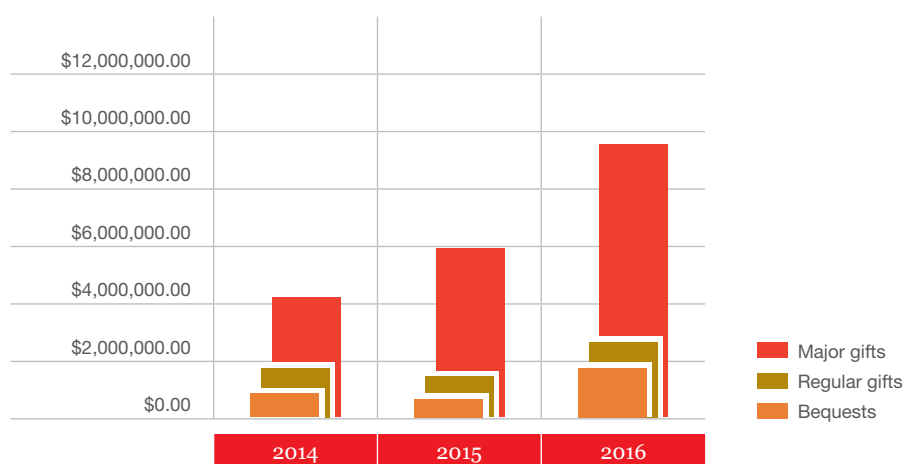
Welcome progress was made by the University of Adelaide development team in 2016, with \$9.5 million given to the University—a 57 per cent increase on the previous year. The University had 21 new bequests confirmed, with the bequestors becoming members of the Hughes Bequest Society.

The University's direct mail appeals brought in a record \$919,752 during 2016, up 16 per cent on 2015. Donors continued to support the Barr Smith Library appeal (\$86,745) and have

enabled the University to continue to increase the number of Augustus Short Scholarships for disadvantaged students, with generous donations totalling \$182,052.

The Adelaide Health and Medical Sciences building capital appeal was launched in October 2015, and by the end of December 2016 had already received support and pledges of \$1.4 million from the University of Adelaide community, against its \$2 million target.

Funds-raised breakdown



Total gifts to the University

	2014	2015	2016
Bequests	\$982,396.73	\$803,731.46	\$1,870,950.76
Regular gifts	\$904,265.47	\$788,579.74	\$919,752.91
Major gifts	\$2,285,758.53	\$4,352,309.85	\$6,767,027.52

Stakeholder engagement

In 2016 the University continued a program of structured stakeholder management to enhance relationships with key government, industry and community organisations. More than 40 state and federal parliamentarians and ministers were hosted on tours of the campuses and facilities at North Terrace, Waite and Roseworthy, and the University continued to build long-term collaboration and partnership opportunities with industry and community leaders.

An independent perception survey of the view of the University suggested more than 80 per cent of business and government leaders were satisfied with their relationship with the University (up from 69 per cent in 2015).

The University again supported a range of community activities, including the Hutt Street Centre's *Walk a Mile in my Boots*, Cancer Council's *Relay for Life* and the Childhood Cancer Association's *Ultimate Pie Challenge*. In partnership with Adelaide University Sport and Westpac, 350 staff, students, alumni and friends participated in the City-Bay Fun Run in September as part of a University of Adelaide team led by the Vice-Chancellor.

University volunteer program

The University actively encourages a culture of volunteering, and we greatly appreciate the contribution volunteers make to the University community. In 2016, 2649 volunteers contributed 114,066 hours to the University, equalling \$3.8 million in dollar value. Volunteers participated in over 40 different programs

across the University, including the Faculty of Health and Medical Sciences, Barr Smith Library, University Collections, Veterinary Bioscience, University Sports, Theatre Guild, International Student Centre and the Waite Historic Precinct.

The inaugural Volunteer Achievement Awards, in recognition of outstanding volunteer contribution, were held and recognised Jessie Pelham, *Talking with Aussies*, as Student Volunteer of the Year, and Geoff Nowak, University Collections Roseworthy Agricultural Museum, as Volunteer of the Year.

2016 also saw the introduction of a quarterly volunteering e-newsletter to keep our volunteers up-to-date and engaged with the University's volunteer program.

Reaching the community

University brand campaign

In 2016 the University launched a refreshed version of its successful brand campaign, *Seek Light*. Guiding the campaign strategy and creative direction was a large body of market research, which highlighted the attitudes, perceptions, expectations and insights of more than 2100 consumers of higher education and their key influencers. The refreshed campaign saw a shift of *Seek Light* from an institutional focus to a consumer-led campaign that showcases the ongoing advantage through life of an education from the University of Adelaide. The campaign has had high appeal in its target youth audience and will continue in market in 2017.

Engaging with future students

As well as through its web presence, the University engages with prospective students and provides information about the University through events and programs, from sports and clubs through

to Global Learning opportunities. The largest event on the University calendar is the annual Open Day. This event attracts thousands of potential future students and other members of the University community. Throughout the year, a program of additional events and school visits is delivered, culminating with program-specific events in the last quarter of the year, and an important preference-advice event after ATAR results are delivered.

Profiling research

The University shares its outstanding research impact with the community through the Research Tuesdays series and by sharing engaging stories and videos online. In 2016 the series continued to grow, attracting an average of 489 registrations each month, 37 per cent of whom were new to the series. The subscriber base consists of 5440 people, having grown 28 per cent this year. Surveys of the audience indicate high satisfaction levels of 95 per cent.

Media

The media team moved from Marketing and Communications to the External Relations branch in 2016. The team produced 244 media releases about significant research discoveries and corporate matters, as well as handling more than 300 media requests. The media team also worked on various University publications, including the Annual Report.

Social media

The University uses social media (Facebook, LinkedIn, Twitter, Instagram and Snapchat) as a channel for engaging with students, alumni, staff and industry, as well as showcasing University activities and initiatives to prospective students and the wider community. The social media presence continued to grow in 2017, adding 46,000 more followers across the channels, increasing our total combined audience to more than 230,000 people.

Arts and culture

Tens of thousands of people enjoy the arts and culture on the University's North Terrace campus every year. From the enchanting sounds of the Australian String Quartet to captivating cultural collections, here are some of the highlights of 2016 activity.

Theatre Guild

The University of Adelaide Theatre Guild enjoyed another busy and successful year, with all productions attracting critical and popular acclaim, thanks to the involvement of more than 100 talented volunteer actors, crew and technicians.

An extra main stage production was added to the program in 2016, beginning the season in March with *The Peach Season*, by renowned Australian playwright Debra Oswald. April saw a double bill of one-act plays, written by a St Ignatius' Year 12 student and new Theatre Guild board member James Watson, and directed, performed and crewed by University of Adelaide students.

May brought the guild's annual Shakespeare production, which for 2016 was *The Two Gentlemen of Verona*, and in August came Arthur Miller's *The Crucible*. The year was rounded off with a contemporary British play, *The Effect*, by Lucy Prebble, looking at the ethics of drug testing and scientific research; a fitting choice for a University-based theatre company.

In addition to the main stage shows, the Theatre Guild collaborated with University Collections and Rare Books and Special Collections of the Barr Smith Library in a *Cultural Musing* to celebrate the 400th anniversary of Shakespeare's death.

This led to the creation of *Project 38: Shakespeare Unplugged*, a University of Adelaide Theatre Guild initiative to hold free, unrehearsed public readings of every William Shakespeare play. It brings together Shakespeare fans once a month to listen to, or participate in, readings and is open to anyone wishing to give it a try.

Student members performed some short scenes in the Barr Smith Library Reading Room as part of Open Day, and a small group of experienced actors gave a pop-up presentation at University Collections' end-of-year picnic.

On the awards front, the Guild's 2015 production of *Who's Afraid of Virginia Woolf?* won two awards at the 2016 Adelaide Theatre Guide Curtain Call Awards: Best Show Drama, and Best Female Performance, which went to Julie Quick for her portrayal of Martha.

Elder Hall

The 2016 Elder Conservatorium of Music Concert Series comprised 36 concerts—24 in the Lunchtime series and eight in the Evening series. Total attendance across the year for these much-loved events was 15,000.

Highlights of the Lunchtime series included: a concert by the new lecturer in Jazz Guitar, James Muller; a celebration of the 150th anniversary of the birth of Erik Satie, by Stephen Whittington and students of the Elder Conservatorium's Sonic Arts department; and a masterful recital by pianist Konstantin Shamray, performing Beethoven's astounding Hammerklavier Sonata.

The Evening series began with a sold-out concert farewelling long-time conductor and Head of Strings, Keith Crellin, OAM, at which students, colleagues and audience members took the opportunity to celebrate the treasured maestro. The series came to a climax in October, with the Elder Conservatorium Symphony Orchestra, featuring newly appointed conductor Luke Dollman, and Head of Guitar Oliver Fartach-Naini, performing works by Debussy, Chopin and Rodrigo.

An upgrade to the audio visual system took place at the beginning of the year, which included new LED lighting with coloured theatre spotlights, dual fold-out projection screens with projectors, and a 48-channel digital sound system. In 2016 Elder Hall was again a popular venue for school graduations, corporate events, lectures and festivals, including Adelaide Festival Writers' Week special events and the Adelaide Festival of Ideas.



University Collections

The University of Adelaide prides itself on its treasure-trove of collections—43 at last audit—spread across all disciplines. These embody the essence of the University—discovery, academic rigour and creativity on the part of its student and academic cohort.

University Collections showcase this through a vibrant cultural program backed by dedication to best-practice in collection management.

2016 began with a celebratory exhibition, *Vitrine*, with participation from 31 artists. This marked 11 years of University Collections involvement with visual artists and curators. The exhibition was accompanied by *University Collections: the Full Spectrum*, a symposium featuring national speakers and university collection holders focused on the cultural capital that collections represent. This was the first state-wide symposium on collections within universities in South Australia.

Several significant additions to the collections mark 2016 as a special year. These include: a witty public sculpture on cultural expectations by Johnnie Dady, *Standing work no.3*, taking the form of a cast iron piano outside the Elder Conservatorium of Music; and Simone Kennedy's multi-media *Mother's Brain*, exhibited in *Vitrine*, complementing the actual brain of philosopher UT Place, held in the Philosophy Collection, bequeathed to the University in 2000 to mark Place's revolutionary theory of mind. The University's historic Urrbrae House received a tapestry from Susan and Brian Dutch celebrating Mary Queen of Scots. The tapestry won a bronze prize at the 1884 International and Universal Exhibition at Crystal Palace London.



Australian String Quartet

For over 30 years, the Australian String Quartet (ASQ), the University's quartet-in-residence at the Elder Conservatorium of Music, has created unforgettable string quartet performances for national and international audiences. Dedicated to musical excellence with a distinctly Australian character, their purpose is to create chemistry and amplify intimacy through experiences that connect people with string quartet music.

2016 highlights included:

- > successful launch of the new ASQ line up, with Dale Barltrop and Francesca Hiew on violin, Stephen King, viola, and Sharon Draper, cello, with glowing reviews received for its three National Season concert tours
- > commissioned and premiered Matthew Hindson's *String Quartet no.4* for string quartet and percussion, with soloist Claire Edwardes
- > taking chamber music back to its roots, the ASQ piloted a new concert format, *Close Quarters*, delivering seven short and informal concerts in unique and intimate spaces across the country

- > working with Australian Indigenous artists at the Port Fairy Music Festival, as part of a new partnership, *Quartet and Country*
- > the commencement of an Australian Anthologies project, with the recording of Charles Edward Horsley's *String Quartet no.1*, the first string quartet written in Australia
- > two concerts in the Adelaide Guitar Festival, with outstanding guitar soloists Slava Grigoryan, Wolfgang Muthspiel and Karin Schaupp
- > an extensive regional touring program across Australia, including a sold-out concert at Four Winds Bermagui and a week with school ensembles in Toowoomba.

After cementing a very successful 2016, the ASQ looks forward to an extremely busy 2017, with highlights including international touring, several orchestral collaborations and appearances at the Adelaide and Perth Festivals.

Australian Music Examinations Board (AMEB)

Through its work in assessing students in music and speech, and drama against national syllabi, the AMEB (SA & NT) works hard to validate the work of teachers and students while ensuring the national standard is upheld.

Professor Jennie Shaw, Executive Dean of the Faculty of Arts, continued as Advisory Board Chair and Federal Board Deputy Chair. Community engagement remains a priority, and collegial collaborations facilitate development that would otherwise not be possible. Modest growth was achieved in 2016, and exciting initiatives such as Rockschoool examining, refreshed syllabi, recital trials and vibrant professional development bode well for 2017.

Carols on campus

Now in its seventh year, the annual *Carols on Campus* attracted a full house in Bonython Hall. Conducted by Associate Professor Carl Crossin, OAM, and compered by Executive Dean of Arts Professor Jennie Shaw, the evening featured musicians from the Elder Conservatorium of Music, the Bonython Hall organ and seasonal readings with an Australian flavour from the Vice-Chancellor, staff and members of the Council of the University of Adelaide. The free event was attended by staff, students, alumni and members of the public, and streamed live on the University website for those who couldn't attend.

JM Coetzee Centre for Creative Practice

The JM Coetzee Centre for Creative Practice (JMCCCP) had a full calendar of events across various artistic disciplines. The centre organised and supported a number of well received masterclasses and lectures, and a day-long creative symposium. Highlights included:

- > *Vin Ordinaire*, a masterclass with inaugural Coetzee Centre Writer-in-Residence, Dr Cath Kenneally on writing the everyday
- > *Myth Matters: Werewolves, Dogmen and Biopolitics in World Literature*, a masterclass with Associate Professor Peter Arnds (Trinity College, Dublin) on the role of the wolf metaphor in world literature
- > *Eileen Myles in Discussion with Dr Rosslyn Prosser*, readings by counter-cultural icon and performance poet Eileen Myles of her work, and discussion of her approach to writing in front of a packed Bakehouse Theatre audience
- > *"An Intellectual Justification of Unhappiness": Beckett's Aesthetic War on the Theodicies*, a public lecture with eminent Beckettian and modernist literature scholar, Professor Andrew Gibson (Royal Holloway, University of London)

- > *Ecopoetics in Australia*, a set of back-to-back masterclasses with acclaimed Australian poets Jill Jones (Adelaide) and Peter Minter (University of Sydney)
- > *Why Do Things Break*, a day-long creative symposium of artistic works and performances responding to the theme 'Why Do Things Break', with around 50 artists, writers and scholars from around the country participating
- > *The Poetics of Place*, a seminar on environmentalism, activism, poetry and place by acclaimed Western Australian poets John Kinsella and Tracey Ryan.

Other highlights included: the announcement of Dr Carol Lefevre as the second Coetzee Centre Writer-in-Residence, a six-month residency for a mid-career writer that is generously supported by the Copyright Agency Limited Cultural Fund; *Ngeringa 24*, a day of performances and conversations between a group of leading artists, writers and musicians, with a conversation led by the JMCCCP's Anna Goldsworthy; and *Schubert in the Street*, a pop-up performance at Adelaide Railway Station featuring Seraphim Trio performing Schubert's Trout Quintet.



Enablers and supporters

The University remains focused on attracting and developing skilled people, implementing efficient processes, improving staff and student experiences, and ensuring the built and virtual environs facilitate the University's objectives. Over the course of the year, a number of significant projects and initiatives were progressed to further these aims.



Key objectives 2016

In support of the University's learning, teaching and research, key objectives for 2016 included:

- > inspiring and developing high-performing staff
- > ensuring a safe and healthy environment
- > continuing to address gender, equity and diversity challenges
- > improving the utilisation of facilities and infrastructure
- > developing a health sciences presence in the SA Health and Biomedical Precinct
- > encouraging sustainable practices
- > improving administrative effectiveness
- > optimising financial reporting and planning.

Developing people

Your Voice Staff Survey

During May, all staff were invited to contribute their opinions about their workplace by participating in the University of Adelaide *Your Voice Staff Survey*. Staff were able to share their thoughts and ideas on the strengths of the University and where it could improve. In response to the findings, the University and local areas will be implementing action plans in 2017. Key strengths highlighted in the results include:

- > 87 per cent of staff believe their supervisor genuinely supports gender equality, and the University does not tolerate sex-based harassment
- > 85 per cent of staff understand their role and how their job contributes to the overall success of the University
- > 84 per cent of staff believe safety is treated as a priority at the University
- > 82 per cent of staff feel confident in the abilities of their co-workers, and believe they would put in extra effort to help and support them whenever necessary
- > 81 per cent of staff believe in the work, values and overall purpose of the University.

Planning, development and review

The Planning, Development and Review process provides a framework for staff to set performance objectives that are meaningful in their current role, contribute to career goals and align to the University's strategic direction. The *Your Voice* survey revealed 84 per cent of respondents reported their performance had been formally reviewed and evaluated within the last 12 months. The University continues to review and evolve the process to achieve its target of 90 per cent participation. The Adelaide Academic Role Statements and Individual Academic Profiles, introduced in 2015 to support performance discussions, were further refined in 2016.

Gender equity and diversity

The Dornwell Framework was refreshed during 2016 to provide strategies and outline actions that will help to improve the University's gender equity outcomes. The revised framework articulates clear indicators of success, and includes a detailed action plan. The focus of the Dornwell Framework is:

- > strengthening leadership accountability
- > building an empowered workforce
- > growing and strengthening the talent pipeline.

At the end of 2016, 29 per cent of senior leadership positions were held by women and as a result of the recent promotions round, the University is likely to meet its current target of 30 per cent during 2017.

Health, safety and wellbeing

The University participated in a Return to Work (formerly WorkCover) evaluation in 2015 and was formally provided with a five-year registration as a self-insurer in 2016. A five-year registration is the best outcome possible for a self-insurer under the *Code of Conduct for Self-Insured Employers (May 2015)* and *Return to Work Act (2014)*. This result demonstrates the University's ability to effectively operate evidence-based safety and injury management systems that conform to specific performance standards.

Assets and infrastructure

Adelaide Health and Medical Sciences project

The \$246 million Adelaide Health and Medical Sciences project progressed at pace and on-budget during 2016, and opened as scheduled in time for semester one, 2017. See more detail on page 8.

Masterplan

In 2016 the University released its Campus Masterplan 2016-2035. The masterplan aims to provide an aspirational, integrated strategy for the University's built environment in support of its strategic objectives. See more detail on page 9.

Redevelopment of existing facilities

The University successfully delivered more than \$40 million worth of facility and core infrastructure improvements across its campuses, including:

- > common teaching area developments and refurbishments
- > works that support the Elder Hall masterplan, including the refurbishment of the western façade and improvements to sound and lighting quality
- > a student hub at Roseworthy campus
- > planning and detailed design supporting the Union House masterplan

- > construction of a recording studio that includes equipment and editing booths in Barr Smith Library to support the rollout of the Massive Open Online Courses
- > various repairs, maintenance, compliance and regulatory upgrades.

Sustainability

The University has endorsed a revitalised sustainability plan, which sets out five streams of work, including:

- > active engagement to increase participation in sustainability events
- > enhancing the skills and capabilities of staff and students in sustainability
- > actively reducing carbon emission intensity
- > reducing water use intensity
- > increasing the procurement of sustainable and ethically sourced products on campus.

The University is the first major institution to sign up to Carbon Neutral Adelaide's partnership program as part of a plan to showcase Adelaide's low-carbon credentials. The pledge, which includes a \$12 million investment in carbon emission reduction projects over five years, within an overall \$14.5 million Campus Sustainability Plan, complements the plan to make Adelaide the world's first carbon neutral city.

Improving processes

Professional Services Reform

In 2016, the University continued to implement the Professional Services Reform (PSR) program to address current challenges and enable support services to be delivered more efficiently. Using a 'move then improve' philosophy, the University has completed its focus on structural effectiveness and has now moved to capturing business improvement opportunities. Throughout the change, the University ensured its fundamental business requirements—finance, human resources, legal and risk management, and broader support services—met both its own and legislative requirements.

Technology Strategic Plan

The University understands the importance of technology to assist both staff and students. In 2016, the Adelaide Technology Strategic Plan was drafted to position technology at the University as a transformational force in an increasingly digital future. Key features of the plan include:

- > ensuring the University leverages digital approaches in teaching, research and supporting services, and master data and systems design support long-term operational needs
- > building and maintaining reliable, secure platforms that are cost-efficient and, where appropriate, transition to cloud and open source
- > continuing investments in technology to track with Group of 8 peers
- > to be the employer of choice in the Adelaide IT market and ensure a flexible, capable workforce
- > establish a University-wide Technology Governance framework to ensure all technology activity in the University is aligned with its needs, principles and strategies.



Leveraging technology

The University continues to have an emphasis on technology, and in 2016 implemented a range of projects, including:

- > Being the first in Australia to adopt *Canvas*, an online-based learning management system that enables a deeper level of engagement with students and includes benefits such as: improved timetabling functionality; an enhanced user interface; modular architecture; web room bookings; and increased security and ease of access via single sign-on and a web-based interface. This is complemented by installation of the Echo Active Learning Platform, enabling the recording of lectures and tutorials, which will facilitate small-group discovery and flipped classroom learning.
- > The replacement of the current animal ethics online application form with a new web-based solution that streamlines and integrates the animal ethics application, approval, amendment and reporting processes.
- > An enhanced process to increase the visibility of researchers through new Researcher Profiles.
- > An electronic solution to assist the Adelaide Graduate Centre in meeting its requirement for the annual review of research students' progress.
- > A Credit Management System for faculty staff to process credit requests from domestic and international students.
- > A new mobile student application that delivers an enhanced user experience that enables students to check their: exam results; timetable; University social media feeds; latest news; academic dates; important contact and emergency numbers; and even take a tour of the North Terrace campus.
- > The University's technology services team continues to provide exceptional customer service and has, for the third year in a row, ranked number one across Australian and New Zealand universities for customer satisfaction, with raw approval ratings of over 90 per cent.

Strategic procurement

The University continued to pursue opportunities to improve its strategic procurement activities, and in 2016 focused on:

- > Rolling out the online procurement (eProcurement) system across the University, which has resulted in timing and processing efficiencies. The project has seen a vast reduction in the duplicity of handling purchase orders and invoices and is well on track to achieve its target of 75 per cent of invoices originating from online procurement.
- > Improvements in arrangements to travel and entertainment through the introduction of a sole travel management partner and AirPlus payment solution. Compliance with the Travel and Entertainment Policy has also improved from an average of 70 per cent prior to the use of Campus Travel to an average above 97 per cent. With these initiatives and increased compliance activity, savings on airfare ticket market prices are in the order of 20 per cent.
- > Extending the use of credit cards to include general small-value purchases not otherwise available through the University's procurement tools.
- > Delivering category management across the University's spend profile to maximise our procurement expertise and deliver an enhanced value proposition for our stakeholders.
- > Participating with 16 other partner universities in the University Procurement Hub (UPH). UPH has been initiated to offer benefits to member universities through aggregation—collaboratively offering goods and services for tender.

Enabling research

Having worked through myriad legislative and public policy requirements, the University became an authorised drone operator in 2016 and appointed a chief pilot able to approve drone flights. In 2017 this capability will be enhanced by establishing the Drone Pilot Training Program as part of the University-wide Drone Hub, allowing our researchers and students to take to the skies under expert, accredited guidance.

The University has also gained ministerial approval to delve into space exploration, through the launch of a lunch-box-sized cube-satellite. The University has not been actively involved in space activity since 1967, but improvements in micro-technology have enabled this exciting reconnection with our space flight heritage. After three years of complex negotiations with government, launch approval was granted and the University is now in a position to get this project 'off the ground'.

Financial Statements



**Statement by the Chancellor, Vice-Chancellor & President
and Chief Financial Officer**

In our opinion:

- (a) the Financial Statements of The University of Adelaide have been prepared in accordance with the accounts and records of the University and present a true and fair view of the financial position of the University of Adelaide as at 31 December 2016 and the results of its operations and cash flows for the year ended 31 December 2016;
- (b) in all material respects, the Financial Statements have been prepared in accordance with Treasurer's Instructions promulgated under the provisions of the Public Finance and Audit Act 1987 the Higher Education Funding Act 1988, the Higher Education Support Act 2003, Australian equivalents to International Financial Reporting Standards and other mandatory professional reporting requirements including Urgent Issues Group Consensus Views;
- (c) at the date of signing this Statement there are reasonable grounds to believe that The University of Adelaide will be able to pay its debts as and when they fall due;
- (d) the amount of Australian Government financial assistance expended during the reporting period was for the purpose for which it was intended;
- e) The University of Adelaide has complied with applicable legislation contracts, agreements and programme guidelines in making expenditure of the Australian Government financial assistance;
- (f) internal controls over financial reporting have been effective throughout the reporting period; and
- (g) The University of Adelaide has charged Student Services and Amenities Fees strictly in accordance with the Higher Education Support Act 2003 and the Administration Guidelines made under the Act. Revenue from the fees were spent strictly in accordance with the Act and only on services and amenities specified in subsection 19-38(4) of the Act.

We are not aware, at the date of signing this Statement, of any circumstances which would render any particulars included in the Financial Statements to be misleading or inaccurate.

Signed in accordance with a resolution of the Council of The University of Adelaide.


THE HON KEVIN SCARCE AC CSC RAN (Rtd)
Chancellor


PROFESSOR MICHAEL BROOKS
Acting Vice-Chancellor and President


MR ANTHONY MITCHELL Chief
Financial Officer

27th March 2017

INDEPENDENT AUDITOR'S REPORT



Government of South Australia
Auditor-General's Department

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To the Chancellor University of Adelaide

As required by section 31(1)(b) of the *Public Finance and Audit Act 1987* and section 25(2) of the *University of Adelaide Act 1971*, I have audited the financial report of the University of Adelaide and the consolidated entity comprising the University of Adelaide and its controlled entities for the financial year ended 31 December 2016.

Opinion

In my opinion, the accompanying financial report gives a true and fair view of the financial position of the University of Adelaide and its controlled entities as at 30 June 2017, their financial performance and their cash flows for the year then ended in accordance with the Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987*, the *Higher Education Support Act 2003* and Australian Accounting Standards.

The consolidated financial report comprises.

- a Statement of Comprehensive Income for the year ended 31 December 2016
- a Statement of Financial Position as at 31 December 2016
- a Statement of Changes in Equity for the year ended 31 December 2016
- a Statement of Cash Flows for the year ended 31 December 2016
- notes, comprising significant accounting policies and other explanatory information.

Basis for opinion

I conducted the audit in accordance with the *Public Finance and Audit Act 1987* and Australian Auditing Standards. My responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Report section of my report. I am independent of the University of Adelaide and its controlled entities. The *Public Finance and Audit Act 1987* establishes the independence of the Auditor-General. In conducting the audit, the relevant ethical requirements of APES 110 Code of Conduct for Professional Accountants have been met.

I believe that the audit evidence obtained is sufficient and appropriate to provide a basis for my opinion.

Responsibilities of the Vice-Chancellor and the Council for the financial report

The Vice-Chancellor is responsible for the preparation of the financial report that gives a true and fair view in accordance with the Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987*, the *Higher Education Support Act 2003* and the Australian Accounting Standards, and for such internal control as management determine is necessary to enable the preparation of the financial report that gives a true and fair view and is free from material misstatement, whether due to fraud or error

The Council is responsible for overseeing the financial reporting process.

Auditor's responsibilities for the audit of the financial report

My objectives are to obtain reasonable assurance about whether the financial report as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Australian Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of this financial report.

As part of an audit in accordance with Australian Auditing Standards, I exercise professional judgement and maintain professional scepticism throughout the audit. I also

- identify and assess the risks of material misstatement of the financial report, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control
- obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances
- evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management
- evaluate the overall presentation, structure and content of the financial report, including the disclosures, and whether the financial report represents the underlying transactions and events in a manner that achieves fair presentation.

My report refers only to the financial statements described above and does not provide assurance over the integrity of electronic publication by the entity on any website nor does it provide an opinion on other information which may have been hyperlinked to/from these statements.

I communicate with those charged with governance and the Vice-Chancellor regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that I identify during the audit.

A handwritten signature in black ink, appearing to read 'Richardson', with a long, sweeping horizontal line extending to the right.

Andrew Richardson

Auditor-General

31 March 2017

Report by the Members of the Council 2016

The members of the Council present their report on the consolidated entity consisting of the University of Adelaide and the entities it controlled at the end of, or during, the year ended 31 December 2016

Members

The following persons were members of the Council during the whole year and up to the date of this report:

- > Rear Admiral the Honourable Kevin Scarce AC CSC RAN (Rtd)
- > Professor Warren Arthur Bebbington
- > Professor Andrew Abell
- > The Honourable Catherine Branson QC
- > Mr Robin Day
- > Mr David Hill
- > Ms Christine Locher
- > Ms Kerryne Liddle
- > Associate Professor Felix Patrikeeff
- > Ms Kathryn Presser

The following persons were newly appointed/elected members during 2016 and continue in office at the date of this report.

Member	Date Appointed/Elected
Mr Peter Siebels	Appointed 1 January 2016
Mr Timothy Storer	Elected 6 September 2016
Dr Bruce Ian Watson AM	Elected 6 September 2016
Professor John Williams	Appointed 1 January 2016

The following persons were new ex officio/appointed/elected in 2017 and are members up to the date of this report.

Member	Date Ex-Officio/Appointed/Elected
Ms Kerrie Campbell	Elected 6 March 2017
Mr Lachlan Coleman	Elected 6 March 2017
Mr Jarrad Hopkins	Elected 6 March 2017
Mr Richard Matthews	Elected 6 March 2017
Ms Georgina Morphet	Elected 6 March 2017

The following persons were members from the beginning of the year until his/her term of office ceased.

Member	Date Ceased
Ms Dianne Davidson AM	31 December 2016
Mr Ethan Dutcher	5 March 2016
Ms Julie Hayford	2 January 2017
Mr James Johnston	5 March 2016
Mr Jack Lienert	5 March 2016
Mr Stuart Matthews	5 March 2017

The following persons were elected/appointed during 2016 and were members until his/her term of office ceased.

Member	Date Appointed/Elected	Date Ceased
Mr Zhao (Joe) Lu	Elected 6 March 2016	5 March 2017
Mr Kyriaco Nikias	Elected 6 March 2016	5 March 2017
Ms Lucinda Wojt	Elected 6 March 2016	5 March 2017

Meetings of Members

The number of meetings of the University of Adelaide Council and of each committee of Council held during the year ended 31 December 2016, and the number of meetings attended by each member were:

	Council		Academic Board		Audit, Compliance and Risk Committee		Convenors' Committee		Council Selection Committee		Estate and Infrastructure Committee		Finance Committee		People and Culture Committee		Senior Executive Review Committee		Special Degrees Committee	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Chancellor (Rear Admiral the Honourable Kevin Scarce AC CSC RAN (Rtd))	7	8			1	5	5	6	1	1	1	3			1	3	2	2	1	2
Vice-Chancellor (Professor Warren Bebbington)	8	8	6	8	5	5	6	6			3	3	9	9	3	3	2	2	2	2
Professor Andrew Abell	8	8																		
The Hon Catherine Branson QC	7	8			4	5	6	6											1	1*
Ms Dianne Davidson AM	8	8					6	6			2	3	5	9			2	2	2	2
Mr Robin Day	8	8															2	2		
Mr Ethan Dutcher	1	1																		
Ms Julie Hayford	7	8																		
Mr David Hill	6	8																		
Mr James Johnston	1	1																		
Ms Kerryne Liddle	6	8			3	5									2	3				
Mr Jack Lienert	1	1																		
Ms Christine Locher	6	8			2	5	3	6							2	3	2	2		
Mr Zhao (Joe) Lu	7	7																		
Mr Stuart Matthews	8	8																		
Mr Kyriaco Nikias	6	7																		
A/Professor Felix Patrikeeff	7	8																		
Ms Kathryn Presser	7	8											7	9						
Mr Peter Siebels	4	8			1	5	5	6			0	3	8	9			1	2		
Mr Timothy Storer	1	2																		
Dr Bruce Ian Watson	2	2																		
Professor John Williams	8	8	7	8			5	6							0	2			1	1
Ms Lucinda Wojt	6	7																		

*Chaired meeting at the request of, and in the absence of, the Chancellor.

A = Number of meetings attended

B = Number of meetings held during the time the member held office or was a member of the committee during the year.

Principal Activities

During the year, the principal continuing activities of the consolidated entity consisted of higher education, research, consultancy and other commercial operations supporting or ancillary to University activities.

Review of Operations

The University reported a consolidated operating result of \$60.9 million for the year (2015: \$51.6 million). The result was supported by strong earnings on the University Endowment Fund, continued growth in student numbers and continued strong research performance.

Significant Changes in the State of Affairs

In the opinion of the Members of Council, there were no significant changes in the state of affairs of the consolidated entity during the financial year under review.

Matters Subsequent to the End of the Financial Year

There were no events subsequent to the reporting date that have a material effect on the financial statements for the reporting period.

Likely Developments and Expected Result of Operations

The consolidated entity will continue to pursue its primary activities of higher education and research while maintaining its financial sustainability. During 2016 the University operated within the parameters of the five year financial plan and new three year operational plan developed during 2013 to underpin the University's strategic plan for the period 2013-2023; Beacon of Enlightenment. The strategic plan summarises the core opportunities and challenges over the ten year period and outlines the development of an operating model which allows for greater connection between teaching and research, including providing the opportunity for all students to experience small group discovery as part of their course. The financial plan included the construction of the Adelaide Health and Medical Sciences building within the health precinct in the West End for the University medical school, nursing school and dental clinic, which was officially opened during February 2017.



Environmental Regulation

The Group's operations are subject to various environmental regulations under both Commonwealth and State legislation, which set the minimum requirements the Group entity must meet.

The University's Environmental Management Program includes a comprehensive environmental regulations compliance plan within the guidelines of the University's Legal Compliance Framework. The plan provides information, resources and advice to the University community to build a stronger compliance culture.

Insurance of Officers

The University maintains a comprehensive insurance program, which is reviewed and renewed annually. The insurance program includes directors and officers liability insurance for members of Council, members of committees of Council and directors and officers of the University and controlled entities of the University.

This report is made in accordance with a resolution of the members of the Council.

Rear Admiral the Honourable
Kevin Scarce, AC, CSC, RAN (Rtd)

Chancellor

Adelaide, 27 March 2017

Statement of Comprehensive Income for the year ended 31 December 2016

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
Revenue from continuing operations					
Received under Higher Education Support Act					
Base operating financial assistance	4	224,463	214,650	224,463	214,650
Other operating financial assistance	4	5,668	7,991	5,668	7,991
Higher Education Contribution Scheme	4	116,388	114,725	116,388	114,725
		346,519	337,366	346,519	337,366
Learning and Teaching					
Student fees	4	217,398	198,188	217,398	198,188
Grants	4	30,256	31,612	30,256	31,612
		247,654	229,800	247,654	229,800
Research Grants and Fees					
National competitive grants		92,131	99,062	92,131	99,062
Public sector - other		51,869	55,301	40,772	40,361
Industry and other		50,506	56,438	38,970	39,884
		194,506	210,801	171,873	179,307
Research - Other					
Cooperative Research Centre direct funding		3,702	3,573	3,702	3,573
Research infrastructure program		14,787	15,519	14,787	15,519
Sustainable Excellence Research Funding		11,647	10,062	11,647	10,062
		30,136	29,154	30,136	29,154
Other					
Investment revenue	4	28,832	28,790	25,559	27,235
Property revenue	4	15,975	15,804	15,974	15,561
Specialist services and trading	4	46,389	45,038	23,584	21,371
Bequests, donations & other revenue	4	37,271	39,844	33,225	34,253
		128,467	129,476	98,342	98,420
Total revenue from continuing operations		947,282	936,597	894,524	874,047
Expenses from continuing operations					
Salaries and related expenses	5	497,611	486,767	486,152	470,708
Student services		44,957	46,307	44,957	46,307
Teaching and research	5	93,779	89,880	93,177	91,452
Buildings and grounds	5	62,802	63,789	61,930	62,563
Finance costs	5	5,896	5,168	5,224	5,273
Administration, communication and travel	5	118,246	130,323	80,295	81,326
Finance and fund administration	5	3,522	2,759	3,522	2,759
Misc equip, dep'n and net loss on disposal of assets	5	59,561	59,990	59,030	59,305
Total expenses from continuing operations		886,374	884,983	834,287	819,693
Net operating result for the year		60,908	51,614	60,237	54,354
Operating result attributable to minority interest		-	-	-	-
Net operating result for the year		60,908	51,614	60,237	54,354

The Statement of Comprehensive Income should be read in conjunction with the accompanying notes.

Statement of Comprehensive Income for the year ended 31 December 2016 - continued

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
Operating result for the period		60,908	51,614	60,237	54,354
Items that may be reclassified to net operating result					
Gain / (loss) on swap contracts	9	1,848	1,376	1,848	1,376
Gain / (loss) on value of available for sale financial assets, net of tax	14,32	-	-	536	(3,196)
Total		1,848	1,376	2,384	(1,820)
Items that will not be reclassified to net operating result					
Gain / (loss) on revaluation of land and buildings	4,15	49,101	-	47,696	-
Gain / (loss) on revaluation of works of Art	15	-	-	-	-
Gain / (loss) on revaluation of Library	15	1,537	-	1,537	-
Share of other comprehensive income of investments accounted for using the equity method	4	(119)	(348)	-	-
Remeasurements of Defined Benefit Plans	26(c)	196	11	196	11
Total		50,715	(337)	49,429	11
Total other comprehensive income		52,563	1,039	51,813	(1,809)
Total comprehensive income		113,471	52,653	112,050	52,545
Total comprehensive income attributable to non-controlling interest		-	-	-	-
Total comprehensive income attributable to the University of Adelaide		113,471	52,653	112,050	52,545

Statement of Financial Position as at 31 December 2016

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
Current Assets					
Cash and cash equivalents	6	42,146	53,936	37,422	45,891
Receivables	7	35,147	41,997	33,713	40,653
Other financial assets	8	10,092	60,357	10,147	60,147
Derivative financial instruments	9	-	2	-	2
Inventories	10	2,341	1,972	647	634
Other non-financial assets	11	11,788	11,540	11,628	11,407
Deferred government superannuation contribution	26(d)	4,400	4,300	4,400	4,300
		105,914	174,104	97,957	163,034
Non-current assets held for sale	12	-	22,600	-	22,600
Total current assets		105,914	196,704	97,957	185,634
Non-current Assets					
Other financial assets	8	291,092	272,787	291,061	266,195
Investments accounted for using the equity method	13	2,002	2,121	972	972
Available-for-sale financial assets	14	-	-	22,902	22,366
Property, plant and equipment	15	1,421,070	1,221,347	1,406,756	1,209,439
Intangible assets	16	36,312	29,547	36,312	29,547
Other non-financial assets	11	7,632	7,899	7,632	7,899
Deferred government superannuation contribution	26(d)	61,767	64,128	61,767	64,128
Total non-current assets		1,819,875	1,597,829	1,827,402	1,600,546
Total assets		1,925,789	1,794,533	1,925,359	1,786,180
Current Liabilities					
Payables	17	82,338	76,538	76,392	68,452
Borrowings	18	5,000	5,000	5,000	5,000
Provisions	19	31,359	27,950	30,623	26,705
Defined benefit obligation	26(d)	4,400	4,300	4,400	4,300
Other	20	18,260	20,949	27,531	23,485
Total current liabilities		141,357	134,737	143,946	127,942
Non-current Liabilities					
Payables	17	11,493	11,737	11,471	11,721
Borrowings	18	62,510	46,510	62,510	46,510
Provisions	19	65,350	64,329	65,163	64,176
Derivative financial instruments	9	13,856	15,706	13,856	15,706
Defined benefit obligation	26(d)	61,767	64,128	61,767	64,128
Other	20	154	1,555	154	1,555
Total non-current liabilities		215,130	203,965	214,921	203,796
Total liabilities		356,487	338,702	358,867	331,738
Net assets		1,569,302	1,455,831	1,566,492	1,454,442
Equity					
Capital reserves	22	625,354	579,168	646,601	596,832
Specific purpose reserves	22	614,138	608,356	614,138	608,356
Retained surplus	22	329,813	268,310	305,753	249,254
Total University interest		1,569,305	1,455,834	1,566,492	1,454,442
Non-controlling interest		(3)	(3)	-	-
Total equity		1,569,302	1,455,831	1,566,492	1,454,442

The Statement of Financial Position should be read in conjunction with the accompanying notes.

Statement of Changes in Equity for the year ended 31 December 2016

Consolidated	Capital Reserves \$000	Specific Purpose Reserves \$000	Retained Surplus \$000	Non- controlling Interest \$000	Total \$000
Balance at 1 January 2015	579,168	585,099	233,211	(2)	1,397,476
Prior period error	-	-	6,187	-	6,187
Restated balance as at 1 January 2015	579,168	585,099	239,398	(2)	1,403,663
Net result	-	23,257	27,005	(1)	50,261
Prior period error	-	-	1,353	-	1,353
Restated Net Result	-	23,257	28,358	(1)	51,614
Other comprehensive income					
Gain / (loss) on swap contracts	-	-	1,376	-	1,376
Share of other comprehensive income of investments accounted for using the equity method	-	-	(348)	-	(348)
Remeasurements of Defined Benefit Plans	-	-	11	-	11
Other adjustments recognised directly in equity	-	-	(485)	-	(485)
Total other comprehensive income	-	-	554	-	554
Balance at 31 December 2015	579,168	608,356	268,310	(3)	1,455,831
Balance at 1 January 2016	579,168	608,356	268,310	(3)	1,455,831
Net result	-	5,782	55,126	-	60,908
Other comprehensive income					
Gain / (loss) on revaluation of land and buildings	49,101	-	-	-	49,101
Gain / (loss) on revaluation of Library	1,537	-	-	-	1,537
Gain / (loss) on swap contracts	-	-	1,848	-	1,848
Share of other comprehensive income of investments accounted for using the equity method	-	-	(119)	-	(119)
Remeasurements of Defined Benefit Plans	-	-	196	-	196
Other adjustments recognised directly in equity	(4,452)	-	4,452	-	-
Total other comprehensive income	46,186	-	6,377	-	52,563
Balance at 31 December 2016	625,354	614,138	329,813	(3)	1,569,302

Statement of Changes in Equity for the year ended 31 December 2016 - continued

University	Capital Reserves \$000	Specific Purpose Reserves \$000	Retained Surplus \$000	Non- controlling Interest \$000	Total \$000
Balance at 1 January 2015	600,028	585,099	210,583	-	1,395,710
Prior period error	-	-	6,187	-	6,187
Restated balance as at 1 January 2015	600,028	585,099	216,770	-	1,401,897
Net result	-	23,257	29,744	-	53,001
Prior period error	-	-	1,353	-	1,353
Restated Net Result	-	23,257	31,097	-	54,354
Other comprehensive income					-
Gain / (loss) on value of available for sale financial assets, net of tax	(3,196)	-	-	-	(3,196)
Gain / (loss) on swap contracts	-	-	1,376	-	1,376
Remeasurements of Defined Benefit Plans	-	-	11	-	11
Total other comprehensive income	(3,196)	-	1,387	-	(1,809)
Balance at 31 December 2015	596,832	608,356	249,254	-	1,454,442
Balance at 1 January 2016	596,832	608,356	249,254	-	1,454,442
Net result	-	5,782	54,455	-	60,237
Other comprehensive income					
Gain / (loss) on revaluation of land and buildings	47,696	-	-	-	47,696
Gain / (loss) on revaluation of Library	1,537	-	-	-	1,537
Gain / (loss) on value of available for sale financial assets, net of tax	536	-	-	-	536
Gain / (loss) on swap contracts	-	-	1,848	-	1,848
Remeasurements of Defined Benefit Plans	-	-	196	-	196
Total other comprehensive income	49,769	-	2,044	-	51,813
Balance at 31 December 2016	646,601	614,138	305,753	-	1,566,492

The Statement of Changes in Equity should be read in conjunction with the accompanying notes.

Statement of Cash Flows for the year ended 31 December 2016

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
Cash flows from operating activities					
Inflows:					
Australian Government financial assistance	38(g)	504,401	501,126	504,401	500,193
OS-Help (net)	38(g)	470	1,015	470	1,015
Higher Education Superannuation	38(g)	3,992	4,029	3,992	4,029
State Government financial assistance		23,352	25,124	22,874	24,682
HECS-HELP student upfront payments		12,587	13,001	12,587	13,001
Fee paying student revenue received		199,284	182,018	199,284	182,018
Fees and charges		24,990	25,580	24,990	25,580
Donations and bequests		4,482	3,756	4,482	3,751
Interest and dividends received		6,642	10,996	2,949	5,950
Consultancy and contract research		85,710	96,041	59,135	61,318
Specialist services and produce trading		20,474	17,364	9,906	7,023
GST received		28,885	23,707	27,826	22,427
Other		52,724	56,952	42,821	45,867
Total inflows		967,993	960,709	915,717	896,854
Outflows:					
Salaries and related expenses		(498,903)	(482,126)	(486,974)	(466,254)
Student services		(45,057)	(46,307)	(45,057)	(46,307)
Goods and services		(303,635)	(308,465)	(263,122)	(262,824)
Costs of finance		(465)	(1,005)	(465)	(842)
GST paid		(35,546)	(29,407)	(30,512)	(24,216)
Total outflows		(883,606)	(867,310)	(826,130)	(800,443)
Net cash provided by operating activities	23	84,387	93,399	89,587	96,411

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Statement of Cash Flows for the year ended 31 December 2016 - continued

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
Cash flows from investing activities					
Inflows:					
Proceeds from sale of property, plant and equipment		1,743	126	1,706	125
Proceeds from sale of financial assets		2,439	4,559	2,375	4,872
Proceeds from sale of financial assets held-to-maturity		50,265	25,256	50,000	25,005
Proceeds from sale of non-current assets held for sale		37,145	25,000	37,145	25,000
Increase in loans		40	40	-	-
Repayment of loans by related parties		686	155	145	160
Total inflows		92,318	55,136	91,371	55,162
Outflows:					
Payments for property, plant and equipment		(187,733)	(105,776)	(187,261)	(105,236)
Payments for intangible assets		(11,461)	(10,093)	(11,461)	(10,093)
Payments for financial assets		-	(481)	-	(481)
Payment of loans		-	(39)	-	(14)
Increase in loans to related parties		(596)	(25)	-	-
Repayment of funds held on deposit		-	-	(2,000)	(1,500)
Total Outflows		(199,790)	(116,414)	(200,722)	(117,324)
Net cash used in investing activities		(107,472)	(61,278)	(109,351)	(62,162)
Cash flows from financing activities					
Inflows:					
Increase in borrowings		18,500	-	18,500	-
Total inflows		18,500	-	18,500	-
Outflows:					
Repayment of borrowings		(2,500)	(26,000)	(2,500)	(26,000)
Borrowings - interest repayments		(4,604)	(3,780)	(4,604)	(3,780)
Total outflows		(7,104)	(29,780)	(7,104)	(29,780)
Net cash used in financing activities		11,396	(29,780)	11,396	(29,780)
Net increase (decrease) in cash and cash equivalents		(11,689)	2,341	(8,368)	4,469
Cash and cash equivalents at the beginning of reporting period		53,936	51,630	45,891	41,457
Effects of exchange rate changes on cash and cash equivalents		(101)	(35)	(101)	(35)
Cash and cash equivalents at end of reporting period	6	42,146	53,936	37,422	45,891

The Statement of Cash Flows should be read in conjunction with the accompanying notes.

The University invests its surplus working capital into bank term investments. These bank term investments are reported as Financial Assets held-to-maturity within Note 8 (2016: \$10.0 million, 2015: \$60.0 million). As a consequence these amounts are not reported within Cash and Cash Equivalents and the movement in these assets are not reported within the Statement of Cash Flows.

Notes to the Financial Statements

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1. Basis of Preparation

These notes, prepared in conjunction with the financial statements, provide an explanation of significant accounting policies and practices adopted in the preparation of the statements. These policies have been consistently applied to all the years presented, unless otherwise stated. The financial statements and notes collectively constitute a general purpose financial report prepared on an accrual basis and in accordance with Australian Accounting Standards, Australian Accounting Standards Board (AASB) interpretations, the Higher Education Support Act 2003, Financial Statement Guidelines of the Department of Education, the South Australian Treasurer's Instructions and the Accounting Policy Framework issued under the provisions of the Public Finance and Audit Act 1987 (except where in conflict with Department of Education requirements). The University applies Tier 1 reporting requirements.

(a) Compliance with IFRS

The University of Adelaide is a not-for-profit entity and these financial statements have been prepared on that basis. The financial statements and notes of the University comply with Australian Accounting Standards, some of which contain requirements specific to not-for-profit entities that are inconsistent with IFRS requirements.

(b) Critical accounting estimates

Preparation of financial statements in conformity with Australian Accounting Standards requires the use of certain critical accounting estimates. It also requires management to exercise its judgement in the process of applying the University's accounting policies. The areas involving a higher degree of judgement or complexity, or areas where assumptions and estimates are significant to the financial statements, are property, plant and equipment, superannuation receivables and associated defined benefit obligations and provisions. Further details are disclosed in the relevant notes to the financial statements.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised and in any future periods affected.

2. Scope of Reporting

The financial statements and notes disclose the 2016 operating results and 2015 comparative results of The University of Adelaide as follows:

University - refers to all aspects of operation of The University of Adelaide only.

Consolidated - refers to the financial results of The University of Adelaide together with the financial results of its controlled entities (refer to Note 32). It includes the University's interests in associates (Note 33) and its joint arrangements (Note 35), recognised using the equity accounting method.

The controlled entities of The University of Adelaide, included in this report are:

ACN 008 123 466 Pty Ltd (Formerly Repromed Pty Ltd)

Adelaide Research & Innovation Pty Ltd as trustee for The Adelaide Research & Innovation Investment Trust

Adelaide Unicare Pty Ltd as trustee for the Unihealth Research & Development Trust

Martindale Holdings Pty Ltd as trustee for

- JS Davies Estate
- JAT Mortlock Trust (vested on 8 July 2016)
- The Roseworthy Farm

National Wine Centre Pty Ltd as trustee for the National Wine Centre Trust

Roseworthy Piggery Pty Ltd

The Women's and Children's Health Research Institute

The ownership of the shares in ACN 008 123 466 Pty Ltd (Formerly Repromed Pty Ltd) transferred from Adelaide Research & Innovation Pty Ltd to The University of Adelaide as at 24 March 2016.

3. Statement of Significant Accounting Policies

(a) Basis of Accounting

This general purpose financial report has been prepared on the basis of historical costs and except where stated, does not take into account changing money values or current valuations of non-current assets.

These accounting policies have been consistently applied by each entity in the Consolidated Entity, and these policies have been consistently applied to all the years presented, unless otherwise stated.

Where necessary, comparative information has been reclassified to achieve consistency in disclosure with current financial year amounts and other disclosures. Where comparatives have been reclassified, the impact of this reclassification has been disclosed in the relevant note.

(b) Principles of Consolidation

The consolidated financial statements of the Consolidated Entity include the financial statements of the University, being the parent entity, and its controlled entities ('the Consolidated Entity'). All entities have a 31 December reporting period.

Controlled Entities are those entities over which the Consolidated Entity has control. The Consolidated Entity has control over an entity when it is exposed, or has rights, to variable returns from its involvement with the entity and has the ability to affect those returns through its power over the entity. Power over the entity exists when the Consolidated Entity has existing rights that give it current ability to direct the relevant activities of the entity. The existence and effect of potential voting rights that are currently exercisable or convertible are considered when assessing whether the Consolidated Entity controls another entity. Returns are not necessarily monetary and can be only positive, only negative, or both positive and negative.

Where an entity either began or ceased to be controlled during the year, the results are included only from the date control commenced or up to the date control ceased.

The balances, and effects of transactions, between controlled entities have been eliminated in the consolidated financial statements. Accounting policies of controlled entities have been changed where necessary to ensure consistency with the policies adopted by the Consolidated Entity.

Non-controlling interest in the equity and results of the entities that are controlled by the University are shown as a separate item in the consolidated financial statements.

(c) Foreign Currency

The University and its controlled entities financial statements are prepared in Australian dollars as their primary activities are conducted within Australia where the functional currency is Australian dollars. Foreign currency transactions are translated to Australian currency at the rates of exchange ruling at the dates of the transactions and brought to account in the Net operating result. Amounts receivable and payable in foreign currencies at the end of the reporting period are translated at the rates of exchange ruling on that date.

(d) Revenue Recognition

The University recognises revenue when the amount of revenue can be reliably measured, it is probable that the future economic benefits will flow to the University and specific criteria have been met for each of the University's activities as described below. In some cases this may not be probable until consideration is received or an uncertainty is removed. The Consolidated Entity bases its estimates on historical results, taking into consideration the type of customer, the type of transaction and the specifics of each arrangement.

Revenue is recognised for the major business activities as follows:

- **Grant Revenue**
Grant revenue is recognised in the accounting period that the University obtains control of the revenue which is generally when it is received or where the University obtains control of the right to receive the grant and when the revenue recognition criteria are met.
- **HELP payments**
Revenue from HELP is categorised into those received from the Australian Government and those received directly from students. Revenue is recognised in the year in which the service is provided.
- **Student Tuition Fees and Charges**
Student tuition fees and charges are recognised in the year in which the service is provided.
- **Consultancy, Contract and Industry Research**
Consultancy, contract and industry research income is recognised in the accounting period in which the service is provided.
- **Bequests and Donations**
Bequests and donations are recognised as income in the accounting period they are received.
- **Interest and Investment Income**
Interest and income from investments are recognised as they accrue (refer to Note 3(j)).
- **Royalties, trademarks and licenses**
Revenue from royalties, trademarks and licences is recognised as income when earned.

- **Asset Sales**

The net gain/loss from asset sales is included in the Consolidated Entity Net operating result. The profit or loss on disposal of assets is brought to account at the date the contract of sale becomes unconditional.

(e) **Goods and Services Tax**

Revenues, expenses, assets and liabilities are recognised net of the amount of Goods and Services Tax (GST), except where the amount of GST incurred is not recoverable from the Australian Tax Office (ATO). In these circumstances the GST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense. Receivables and payables are stated with the amount of GST included.

The net amount of GST recoverable from, or payable to, the ATO is included as a current asset or liability in the Statement of Financial Position.

Cash flows are included in the Statement of Cash Flows on a gross basis. The GST components of cash flows arising from investing and financing activities which are recoverable from, or payable to, the ATO are classified as operating cash flows.

(f) **Income Tax**

The University does not provide for Australian income tax as it is exempt under the provisions of Division 50 of the *Income Tax Assessment Act 1997*.

(g) **Intangible Assets**

Research expenditure is expensed in the period in which it is incurred. Where no internally generated asset can be recognised, development expenditure is recognised as an expense in the period as incurred.

Any intangible assets arising from development (or from the development phase of an internal project) are recognised if, and only if, all of the following are demonstrated:

- the technical feasibility of completing the intangible asset so that it will be available for use or sale;
- the intention to complete the intangible asset and use or sell it;
- the ability to use or sell the intangible asset;
- how the intangible asset will generate probable future economic benefits;
- the availability of adequate technical, financial and other resources to complete the development and to use or sell the intangible asset; and
- the ability to measure reliably the expenditure attributable to the intangible asset during its development.

All computer software other than operating systems is treated as intangible assets.

Intangible assets are stated at cost less accumulated amortisation and impairment, whereby impairment is tested annually (refer to Note 16). Amortisation is calculated on a straight-line basis over periods generally ranging from 3 to 5 years.

(h) **Employee Benefits**

- **Wages and Salaries**

The employees' entitlements to wages and salaries represent the amount which the Consolidated Entity has a present obligation to pay resulting from employees' services provided up to the end of the reporting period. The entitlements have been calculated at the wage and salary rates as at the end of the reporting period and have been recognised in payables.

- **Annual Leave**

The employees' entitlements to annual leave expected to be settled within 12 months of the end of the reporting period have been calculated at the amounts expected to be paid when the liabilities are settled and recognised in current provisions. Where the employees' entitlements to annual leave are not expected to be settled within 12 months of the end of the reporting period, the provision has been discounted to present value using the Australian Government 3 year bond rate and recognised in non-current provisions. The employee on-costs related to annual leave provision are recognised in payables.

- **Long Service Leave**

The liability for employees' entitlements to long service leave represents the present value of the estimated future cash outflows to be made by the employer resulting from employees' services provided up to the end of the reporting period.

Liabilities for employees' entitlements, which are not expected to be settled within twelve months, are discounted using the rates attaching to Australian Government securities at the end of the reporting period, which most closely match the terms of maturity of the related liabilities, and recognised in non-current provisions.

In determining the liability for employees' entitlements, consideration has been given to future increases in wage and salary rates, and the Consolidated Entity's experience with staff departures. Related on-costs have been recognised in payables.

- **Superannuation**

Superannuation schemes exist to provide benefits to University employees and their dependents upon retirement, disability or death. The contributions made to these schemes by the University, and emerging costs from unfunded schemes, are expensed in the Net operating result. For defined benefit plans, the remeasurement gains and losses are recognised immediately in other comprehensive income in the year in which they occur and the liability in relation to the defined benefit obligation, net of assets, has been recognised in the Statement of Financial Position. Refer to Note 26 for details relating to the individual schemes.

- **Termination Benefits**

Termination benefits are payable when employment is terminated before the normal retirement date, or when an employee accepts an offer of benefits in exchange for the termination of employment. The Consolidated Entity recognises the expense and liability for termination benefits either when it can no longer withdraw the offer of those benefits or when it has recognised costs for restructuring within the scope of AASB137 that involves the payment of termination benefits. The expense and liability are recognised when the Consolidated Entity is demonstrably committed to either terminating the employment of current employees according to a detailed formal plan without possibility of withdrawal or providing termination benefits as a result of an offer made to encourage voluntary redundancy.

(i) **Receivables**

Trade receivables are initially recognised at fair value. The collectability of receivables is assessed at the end of the reporting period and provision is made for any amounts considered to be doubtful. Any debts considered to be non-collectable have been expensed as bad debts.

(j) **Cash and Cash Equivalents**

Cash and cash equivalents includes cash at bank or on hand and deposits held at call with financial institutions.

(k) **Other Financial Assets**

The Consolidated Entity classifies its investments into the following categories: financial assets at fair value through profit or loss, financial assets held-to-maturity, available for sale financial assets and loans and receivables. The classification depends on the purpose for which the investments were acquired. The classification of the investments is made at initial recognition and is reviewed at the end of each reporting period.

- **Financial assets at fair value through profit or loss**

Financial assets at fair value through profit or loss are classified as current assets in the Statement of Financial Position, with any realised and unrealised gains or losses recognised in the Net operating result.

Endowment Fund

The majority of specific purpose endowments received by the University to fund research activities, scholarships, prizes and lectures are included in the Endowment Fund. This Fund is invested in cash deposits and longer term investments managed by independent investment managers. These investments are reported in non-current financial assets in the Statement of Financial Position at market values obtained from the investment managers.

- **Financial assets held-to-maturity**

Held-to-maturity investments are non-derivative financial assets with fixed or determinable payments and fixed maturities that the University's management has the positive intention and ability to hold to maturity. The University places its surplus operating funds into bank term deposits with fixed maturity dates. Financial assets held to maturity are carried at cost.

- **Available-for-sale financial assets**

The financial assets are classified in this category where there is an intention to dispose of the investment, rather than replacing the investment through trading or where they are not classified in any of the other categories. Available for sale financial assets are recorded at fair value less impairment in the Statement of Financial Position. Unrealised gains and losses arising from changes in fair value are recognised directly in equity, until the investment is disposed of or is determined impaired, at which time the cumulative unrealised gain or loss previously recognised in the reserve is included in the Net operating result for the period. The University's investments in controlled entities are classified as non-current available-for-sale financial assets as the University does not intend to dispose of these assets in the near future.

- **Loans and receivables**

Financial assets are classified in this category when the Consolidated Entity provides money, goods or services to a debtor with no intention of selling the receivable. Financial assets classified as loans and receivables are recorded at amortised cost less impairment. They are included in current assets, except for those with maturities greater than 12 months after the end of the reporting period which are classified as non-current assets.

(l) **Derivative Financial Instruments**

The Consolidated Entity enters into interest rate swaps (Derivative financial instruments) to manage its exposure to movements in interest rates on its borrowings.

In addition, the Consolidated Entity enters into foreign currency swaps (Derivative financial instruments) to manage its exposure to movements in exchange rates on its capital expenditure and library subscriptions.

Derivatives are initially recognised at fair value at the date a derivative contract is entered into and are subsequently remeasured to their fair value at each reporting date. The resulting gain or loss is recognised as an asset or liability as the swaps are effective hedging instruments.

The fair value of hedging derivatives is classified as a non-current asset or a non-current liability if the remaining maturity of the hedge relationship is more than 12 months and as a current asset or a current liability if the remaining maturity of the hedge relationship is less than 12 months.

Hedge accounting

The Consolidated Entity has designated the interest rate and foreign currency swaps as cash flow hedges.

At the inception of the hedge relationship the entity documents the relationship between the hedging instrument and hedged item, along with its risk management objectives and its strategy for undertaking various hedge transactions. Furthermore, at the inception of the hedge and on an ongoing basis, the Consolidated Entity documents whether the hedging instrument that is used in a hedging relationship is highly effective in offsetting cash flows of the hedged item.

Cash flow hedge

The effective portion of changes in the fair value of derivatives that are designated and qualify as cash flow hedges are deferred in the Statement of Comprehensive Income. The gain or loss relating to the ineffective portion is recognised immediately in the Net operating result. As at 31 December 2016 there are no ineffective hedge instruments.

Amounts deferred in equity are recorded in the Net operating result in the periods when the hedged item is recognised in the Net operating result. However, when the forecast transaction that is hedged results in the recognition of a non-financial asset or a non-financial liability, the gains and losses previously deferred in equity are transferred from equity and included in the initial measurement of the cost of the asset or liability.

Hedge accounting is discontinued when the Consolidated Entity revokes the hedging relationship, the hedging instrument expires or is sold, terminated, or exercised, or no longer qualifies for hedge accounting. Any cumulative gain or loss deferred in equity at that time remains in equity and is recognised when the forecast transaction is ultimately recognised in the Net operating result. When a forecast transaction is no longer expected to occur, the cumulative gain or loss that was deferred in other comprehensive income is recognised immediately in the Net operating result.

(m) Fair Value Measurement

The fair value of assets and liabilities must be measured for recognition and disclosure purposes.

The Consolidated Entity classifies fair value measurements using a fair value hierarchy that reflects the significance of the inputs used in making the measurements.

The fair value of financial assets or liabilities traded in active markets is based on quoted market prices for identical assets or liabilities at the end of the reporting period (level 1). The quoted market price used for assets held by the Consolidated Entity is the most representative of fair value in the circumstances within the bid-ask spread.

The fair value of financial assets or liabilities that are not traded in an active market is determined using valuation techniques. The Consolidated Entity uses a variety of methods and makes assumptions that are based on market conditions existing at the end of the reporting period. Quoted market prices or dealer quotes for similar instruments (level 2) are used for long-term debt instruments held. Other techniques that are not based on observable market data (level 3) are used to determine fair value for the remaining assets and liabilities. The fair value of interest rate swaps is calculated as the present value of the estimated future cash flows. The fair value of forward exchange contracts is determined using forward exchange market rates at the end of the reporting period. The level in the fair value hierarchy is determined on the basis of the lowest level input that is significant to the fair value measurement in its entirety.

Fair value measurement of non-financial assets is based on the highest and best use of the asset. The Consolidated Entity considers market participants use of, or purchase of the asset, to use it in a manner that would be highest and best use.

The carrying value less impairment provision of trade receivables are assumed to approximate their fair values due to their short-term nature. The fair value of financial liabilities for disclosure purposes is estimated by discounting the future contractual cash flows at the current market interest rate that is available to the Consolidated Entity for similar financial instruments.

(n) Investments in Business Undertakings

- **Controlled Entities**

Investments in controlled entities are carried in the University's financial statements at fair value. Dividends and distributions are brought to account in the Net operating result when they are declared by the controlled entities.

- **Interests in Associates**

Interests in associates represent interests where the Consolidated Entity exercises a significant influence but not control over the financial and operating policies.

In the University's financial statements, investments in these entities are carried at cost.

In the consolidated financial statements, investments in these entities are accounted for using the equity method of accounting. The Consolidated Entity's share of the net profit or loss after tax is recognised in Consolidated Other comprehensive income after the elimination of unrealised profits and losses on transactions between these entities and any entities in the Consolidated Entity.

- **Joint Arrangements**

Where the Consolidated Entity has joint control of an entity as described in Note 35, the Consolidated Entity interests are accounted for using the equity method.

- **Cooperative Research Centres**

The University derives income as part of its participation in Cooperative Research Centres, as listed in Note 34. In the ordinary course of events this income, which is recognised in the financial statements of the University, is used to meet operational costs and/or acquire equipment. As a participant, the University will be entitled to a proportionate share of any intellectual property arising. As at the reporting date, the University is not aware of any material intellectual property with commercial value. As such no accounting entries have been recorded.

- **Other Business Undertakings**

The Consolidated Entity holds a number of investments. In the case of publicly listed investments, these have been valued at market value. In the case of non publicly listed investments, the value of the investment is carried at the University's share of the net tangible assets of the investment entity.

(o) Inventories

- **Consumable Materials and Trading Stock**

The University has a number of inventory stores at several locations. The inventory is valued at cost based on the weighted average cost method.

- **Livestock**

The University breeds animals for teaching and research activities and not for profit. Consequently it does not attribute a value to livestock for recording in the Statement of Financial Position. Where controlled entities have reported livestock, this is included at net realisable value.

(p) Property, Plant and Equipment

- **Acquisitions**

Items of property, plant and equipment are initially recorded at cost in the Statement of Financial Position (unless otherwise indicated) and depreciated in accordance with Note 3(s).

- **Revaluations**

During 2016 land and buildings were independently valued on a fair value basis in accordance with Australian Accounting Standards.

Any accumulated depreciation at the date of revaluation is eliminated against the gross carrying amount of the asset and the net amount is restated to the revalued amount of the asset. All other property, plant and equipment is stated at historical cost less depreciation.

Increases in the carrying amounts arising on revaluation of land and buildings, library collection and works of art are credited to capital reserves in equity within the Statement of Financial Position except to the extent that they reverse previous reductions in the carrying amounts which were charged to the Net operating result. Decreases that reverse previous increases of the same class of asset are first charged against the capital reserves in equity to the extent of the remaining reserve attributable to the class of asset. All other decreases are charged to the Net operating result.

- **Disposal of Revalued Assets**

The gain or loss on disposal of revalued assets is calculated as the difference between the carrying amount of the asset at the time of disposal and the proceeds on disposal and is included in the results in the year of disposal.

- **Land and Buildings**

The University differentiates between "trust" and "other" land and buildings. "Trust" land is land provided to the University by Government to be held in trust for the specific purpose of operating the University, or acquired by settlement under a binding trust. Buildings constructed on land classified as "trust" land are classified as "trust" buildings.

All land and buildings are recorded at fair value which has been assessed via an independent valuation on the basis of market value for existing use or where this is not suitable, the depreciated replacement cost. The valuation of land and buildings has been carried out by Mr Matthew Ward, AAPI, B.App.Sc (Property Economics), Mr Nicholas Fein, BE, Mr Timothy Ashton, AAPI of AssetVal Pty Ltd on 31 December 2016.

- **Other Collections**

The University owns a number of collections of cultural, historical and scientific significance. Many of these collections are unique or extremely rare. The University is not able to reliably measure the value of these collections and therefore has not recognised them as an asset in the Statement of Financial Position. Furthermore, collections which are irreplaceable (excluding works of art) are not covered by University insurance due to difficulty in determining an insurable value, the costs associated with deriving such a value, and the premium load an insurer would require to carry such a risk.

- **Library Collection**

The Library collection was revalued on 31 December 2016 using an internal valuation based on the annual price movement of books.

- **Works of Art**

Works of art \$2,000 and greater, are recorded at fair value on the basis of an independent valuation carried out by Mr JFB Bruce AM JP (MAAVA), Managing Director of Theodore Bruce Auctions Pty Ltd on 31 December 2014. No provision for depreciation is made for works of art.

- **Leased Property, Plant and Equipment**

Leases of property, plant and equipment where the University, as lessee, has substantially all the risks and rewards of ownership are classified as finance leases. As at 31 December 2016 there are no finance leases.

Leases in which a significant portion of the risks and rewards of ownership are retained by the lessor are classified as operating leases. Payments made under operating leases are charged to the Net operating result on a straight-line basis, over the period of the lease.

(q) Non-current Assets Held for Sale

Non-current assets are classified as held for sale and stated at the lower of their carrying amount and fair value less costs of disposal if their carrying amount will be recovered principally through a sale transaction rather than through continuing use.

An impairment loss is recognised for any initial or subsequent write down of the asset to fair value less costs to sell. A gain is recognised for any subsequent increases in fair value less costs to sell of an asset, but not in excess of any cumulative impairment loss previously recognised. A gain or loss not previously recognised by the date of the sale of the non-current asset is recognised at the date of derecognition.

Non-current assets are not depreciated or amortised while they are classified as held for sale. Interest and other expenses attributable to the liabilities of non-current assets classified as held for sale continue to be recognised.

Non-current assets classified as held for sale are presented separately from the other assets in the Statement of Financial Position.

(r) Impairment of Assets

The Consolidated Entity assesses at the end of the reporting period whether there is objective evidence that an asset or group of assets is impaired.

Assets that are subject to amortisation are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. An impairment loss is recognised in the Net operating result for the amount by which the asset's carrying amount exceeds its recoverable amount. The recoverable amount is the higher of an asset's fair value less costs to sell and value in use.

Assets that have an indefinite useful life are not subject to amortisation and are tested annually for impairment, or more frequently if changes in circumstances indicate they might be impaired. An impairment loss is recognised if the carrying amount of the asset or its related cash-generating-unit (CGU) exceeds its recoverable amount.

(s) Depreciation and Amortisation

Depreciation on freehold buildings is calculated on a diminishing value basis. Depreciation is provided on other property, plant and equipment, excluding land and works of art, on a straight line basis so as to write off the net cost or other revalued amount of each asset over its remaining expected useful life. Leasehold improvements are amortised over the period of the lease or estimated useful life, whichever is the shorter, using the straight line method. The following estimated useful lives are used in the calculation of depreciation/amortisation:

• Buildings	80 – 100 years
• Leasehold improvements	5 – 50 years
• Library Collection	10 years
• Plant and equipment including motor vehicles	5 – 10 years

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at the end of the reporting period.

(t) Repairs and Maintenance

Repairs and maintenance costs are recognised as expenses as incurred, except where they relate to the replacement component of an asset, in which case the costs are capitalised and depreciated. Other routine operating maintenance, repair or minor renewal costs are also recognised as expenses, as incurred.

(u) Workers' Compensation

The University is responsible for payments of workers' compensation claims and is registered with the ReturnToWorkSA as an exempt employer.

The actuarial assessment of the provision for workers' compensation claims has been prepared by Brett & Watson Pty Ltd using the Case Estimation Methodology. This methodology comprises the assessment of individual independent case estimates of all open claims. A separate allowance for incurred but not reported claims (IBNR), unforeseen escalation of the case estimates and re-opening of finalised claims is then made.

(v) Payables

These amounts represent liabilities for goods and services provided to the Consolidated Entity prior to the end of the financial year, which are unpaid. The amounts are unsecured and are usually paid within 30 days of recognition.

(w) Salaries and Related Expenses

Items attributed to salaries and related expenses include salaries and wages, employee entitlements and other costs incidental to the employment of staff such as professional development costs and fringe benefits tax.

(x) Borrowings and Borrowing Costs

Borrowings are classified as current liabilities unless the Consolidated Entity has an unconditional right to defer settlement of the liability for at least 12 months after the end of the reporting period and does not expect to settle the liability for at least 12 months after the end of the reporting period. Borrowing costs are expensed as incurred.

(y) New or revised Australian Accounting Standards and Interpretations issued but not yet effective

Certain new accounting standards and interpretations have been published that are not mandatory for 31 December 2016 reporting periods. The University has elected not to early adopt any of these standards. The University is yet to perform a detailed assessment of the impacts of these new standards, however, the preliminary assessments are set out below:

Reference	Title	Application Date of Standard*	Impact
AASB 15	Revenue from Contracts with Customers	1 January 2019	The University does not expect this standard to have a material impact.
AASB 16	Leases	1 January 2019	This standard will result in the recognition of leased assets and related liabilities on the University Statement of Financial Position. The University does not expect this standard to have a material impact on the Net Operating Result.
AASB 1058	Income of Not-for-Profit Entities	1 January 2019	The University does not expect this standard will have a material impact over time but will result in changes in the timing of the recognition of grant income.

* Designates the beginning of the applicable annual reporting period

(z) Prior Period Errors and Changes in Accounting Estimates

The University's investment in Australian Grain Technologies Pty Ltd has been recognised at fair value of \$9.0M within Non-current Other Financial Assets – Other shares during 2016. The recognition of this investment has given rise to a Prior Period Error as the University had not previously recognised the fair value of this investment in its Financial Statements.

The 2015 Statement of Financial Position has been restated to recognise the investment as at 31 December 2015 of \$7.5M Non-current Other Financial Assets – Other shares, resulting in a \$1.3M increase in Investment Income being recognised within Statement of Comprehensive income and a \$6.2M increase in 2015 Opening Retained Earnings.

\$1.5M in investment income has been recognised within the Statement of Comprehensive Income in 2016 and a corresponding increase in the value of Non-current Other Financial Assets.

These movements have also been reflected in the 2015 and 2016 Consolidated Financial Statements.

(aa) Rounding

All amounts in this report are rounded to the nearest thousand dollars.

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
4. Revenue from continuing operations					
Received under Higher Education Support Act					
Base operating financial assistance					
Commonwealth Grants Scheme (Commonwealth supported places)		175,544	166,431	175,544	166,431
Institutional Grants Scheme		16,565	16,219	16,565	16,219
Research Training Scheme		32,354	32,000	32,354	32,000
		224,463	214,650	224,463	214,650
Other operating financial assistance					
Other operating financial assistance		5,668	7,991	5,668	7,991
		5,668	7,991	5,668	7,991
Higher Education Contribution Scheme					
HECS-HELP student upfront payments		12,587	13,001	12,587	13,001
Australian Government financial assistance		103,801	101,724	103,801	101,724
		116,388	114,725	116,388	114,725
		346,519	337,366	346,519	337,366
Student fee income includes:					
Fee paying student revenue received					
Award courses					
Australian fee paying undergraduate students		294	663	294	663
Australian fee paying postgraduate students		3,469	3,424	3,469	3,424
International fee paying students		181,720	163,293	181,720	163,293
		185,483	167,380	185,483	167,380
Non award courses					
Continuing education		640	602	640	602
Australian fee paying		7,201	7,017	7,201	7,017
Other teaching service fees		5,124	5,656	5,124	5,656
		12,965	13,275	12,965	13,275
Non-course income					
Student services and amenities fees		3,059	2,848	3,059	2,848
		3,059	2,848	3,059	2,848
		201,507	183,503	201,507	183,503
Australian Government financial assistance					
FEE-HELP		11,700	10,556	11,700	10,556
SA-HELP		3,217	3,155	3,217	3,155
Overseas postgraduate research scholarship		974	974	974	974
		217,398	198,188	217,398	198,188
Learning and teaching grants					
Learning and teaching grants		30,256	31,612	30,256	31,612
		30,256	31,612	30,256	31,612
		247,654	229,800	247,654	229,800

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
4. Revenue from continuing operations - continued					
Investment revenue					
Interest income					
Bank deposits		924	571	591	353
Held-to-maturity bank term investments		2,004	3,908	2,004	3,908
Dividends received		72	884	1	274
Distributions from controlled entities		-	3	407	1,310
Other investment gains and losses					
Net realised gain on endowment fund investments		7,661	7,643	7,661	7,643
Net unrealised gain on endowment fund investments		10,931	1,733	10,267	2,112
Revaluation gain on investments		3,366	9,172	3,338	9,172
Gain on Joint Venture Dissolution		-	207	-	207
Royalties, trademarks and licences		3,874	4,669	1,290	2,256
		28,832	28,790	25,559	27,235
Property revenue					
Rental charges/accommodation fees		11,641	11,966	11,509	11,599
Parking fees		2,175	1,908	2,175	1,908
Building development and maintenance recovery		1,643	1,456	1,643	1,456
Other property revenue		516	474	647	598
		15,975	15,804	15,974	15,561
Specialist services and trading					
Consultancy fees		9,692	10,980	7,283	7,529
Library charges and fines		293	422	293	422
Sale of services		29,145	26,159	11,886	8,831
Sale of goods		3,378	3,104	358	547
Sponsorship and conference income		2,405	2,442	2,405	2,442
Other specialist services and trading		1,476	1,931	1,359	1,600
		46,389	45,038	23,584	21,371
Bequests, donations and other revenue					
Bequests and donations received for:					
Research		1,438	2,595	1,438	2,590
General operational purposes		3,244	1,124	3,244	1,124
		4,682	3,719	4,682	3,714
Prizes and scholarships		3,758	1,276	3,758	1,276
Recharge of costs to other organisations		319	740	319	515
Application management and late fees		1,813	1,352	1,813	1,352
Franchise fees		2,945	2,258	2,945	2,258
Insurance claim recovery		414	34	414	34
Salary recharges		1,837	2,336	1,837	2,336
AusAid Scholarships & stipends		4,088	6,396	4,088	6,396
Reversal of impairment of other buildings		4,843	1,033	3,632	1,033
Net gain on disposal of assets		1,295	7,247	1,336	7,270
Other revenue		11,277	13,453	8,401	8,069
		37,271	39,844	33,225	34,253
Share of other comprehensive income of associates and joint ventures accounted for using the equity method					
Joint ventures	35	102	(407)	-	-
Associates	33	(221)	59	-	-
		(119)	(348)	-	-

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
5. Expenses from continuing operations					
Salaries and related expenses					
Salaries and related expenses - Academic					
Salaries		189,760	188,126	189,760	188,126
Contributions to superannuation and pension schemes					
Contributions to funded schemes		30,721	29,850	30,721	29,850
Contributions to unfunded schemes		69	87	69	87
Payroll tax		13,146	12,758	13,146	12,758
Annual leave		14,499	14,258	14,499	14,258
Long service leave		4,105	4,443	4,105	4,443
Workers' compensation		918	276	918	276
Other		7,456	7,709	7,456	7,616
Redundancy expenses		102	3,226	102	3,226
Total academic salaries and related expenses		260,776	260,733	260,776	260,640
Salaries and related expenses - Non-academic					
Salaries		164,636	165,133	155,060	151,693
Contributions to superannuation and pension schemes					
Contributions to funded schemes		26,677	25,911	25,734	24,473
Contributions to unfunded schemes		58	71	58	71
Payroll tax		11,266	10,822	10,992	10,482
Annual leave		12,962	12,505	12,441	11,928
Long service leave		4,212	3,070	4,084	2,925
Workers' compensation		465	374	465	374
Other		6,357	6,010	6,340	5,984
Redundancy expenses		10,202	2,138	10,202	2,138
Total non-academic salaries and related expenses		236,835	226,034	225,376	210,068
Total salaries and related expenses		497,611	486,767	486,152	470,708
Teaching and research					
Agriculture, animals and cropping		1,847	1,832	1,847	1,832
Books, subscriptions and printed material		10,510	8,745	10,510	8,745
Laboratory expenses		19,359	18,227	19,357	18,786
Research transfer to other institutions		33,699	30,621	33,099	31,634
Other teaching and research		28,364	30,455	28,364	30,455
		93,779	89,880	93,177	91,452
Buildings and grounds					
Cleaning and security		9,663	9,616	9,257	9,225
Property maintenance		21,718	22,764	21,623	22,566
Building leases and rent		16,448	17,477	16,117	17,092
Utilities		14,973	13,932	14,933	13,680
		62,802	63,789	61,930	62,563

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$'000	\$'000	\$'000	\$'000
5. Expenses from continuing operations - continued					
Finance costs					
Interest		5,448	4,814	4,838	4,919
Finance charges		448	354	386	354
		5,896	5,168	5,224	5,273
Administration, communication and travel					
Consultants & specialist services		22,518	25,768	17,373	20,415
Fees & licenses		19,108	16,582	19,076	16,538
Insurance		2,841	2,949	2,734	2,815
Administration & communication		44,579	56,427	12,184	13,362
Publicity and fundraising		5,128	4,736	4,890	4,449
Travel, accommodation & entertainment		24,072	23,861	24,038	23,747
		118,246	130,323	80,295	81,326
Finance and fund administration					
Bad and doubtful debts					
Student loans		(7)	(11)	(7)	(11)
Student tuition		332	32	332	32
Other debtors		290	141	290	141
		615	162	615	162
Management and merchant fees		1,563	1,334	1,563	1,334
Fringe benefit tax payments		1,157	1,217	1,157	1,217
Other		187	46	187	46
		3,522	2,759	3,522	2,759
Misc equip, dep'n and net loss on disposal of assets includes:					
Amortisation of intangible assets					
Software		6,276	7,370	6,276	7,370
Amortisation	3(s)				
Leasehold improvements		2,706	2,222	2,695	2,211
		8,982	9,592	8,971	9,581
Depreciation	3(s)				
Buildings		23,843	23,853	23,785	23,780
Plant, equipment and motor vehicles		14,806	13,590	14,344	12,989
Library collection		2,194	2,179	2,194	2,179
		40,843	39,622	40,323	38,948
		49,825	49,214	49,294	48,529
Non-capitalised equipment		9,736	10,697	9,736	10,697
Impairment loss on non-current assets held for sale		-	79	-	79
		59,561	59,990	59,030	59,305

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
6. Cash and Cash Equivalents	3(j)				
Cash at bank or on hand		36,846	20,713	32,422	14,591
Short term deposits at call		5,300	33,223	5,000	31,300
		42,146	53,936	37,422	45,891

The University invested its surplus working capital into bank term investments (2016: \$10.0 million, 2015: \$60.0 million). These bank term investments have been reported as Financial Assets held-to-maturity in Note 8. As a result these funds are not reported within Cash and Cash Equivalents or within the Statement of Cash Flows.

7. Receivables

3(i)

Current

Student tuition fees	5,262	4,261	5,262	4,261
Less: provision for impaired receivables	(433)	(251)	(433)	(251)
	4,829	4,010	4,829	4,010
Trade debtors	23,764	17,663	22,126	16,018
Less: provision for impaired receivables	(352)	(351)	(148)	(50)
	23,412	17,312	21,978	15,968
Sundry debtors and accrued income	9,134	22,757	9,134	22,757
Less: provision for impaired receivables	(2,276)	(2,128)	(2,276)	(2,128)
	6,858	20,629	6,858	20,629
Student loans	140	145	140	145
Less: provision for impaired receivables	(92)	(99)	(92)	(99)
	48	46	48	46
	35,147	41,997	33,713	40,653

(a) Impaired receivables

As at 31 December 2016 current receivables of the group with a nominal value of \$3.3 million (2015: \$2.8 million) were impaired. The amount of the provision was \$3.2 million (2015: \$2.8 million). The individually impaired receivables relate to outstanding trade, sundry and student debtors. It was assessed that a portion of the receivables is expected to be recovered.

The ageing of impaired receivables is as follows:

0 to 3 months	103	102	103	102
3 to 6 months	156	58	156	58
Over 6 months	3,074	2,669	2,870	2,368
Total current impaired receivables	3,333	2,829	3,129	2,528

As at 31 December 2016 current receivables of the group of \$35.0 million (2015: \$42.0 million) were not impaired. These receivables mainly relate to a number of Government agencies and independent customers for whom there is no recent history of default. The ageing analysis of these receivables is as follows:

0 to 3 months	28,728	36,525	28,323	35,956
3 to 6 months	5,211	4,697	4,672	4,410
Over 6 months	1,028	775	538	287
Total past due but not impaired current receivables	34,967	41,997	33,533	40,653

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
7. Receivables - continued					
(a) Impaired receivables - continued					
The movement in the provision for impaired receivables is as follows:					
At 1 January		2,829	2,621	2,528	2,506
Net provision for impairment recognised/(reversed) during the year		95	81	123	(113)
Receivables written off during the year as uncollectible		229	127	298	135
At 31 December		3,153	2,829	2,949	2,528

The creation and release of the provision for impaired receivables has been included in 'Finance and fund administration' in the Statement of Comprehensive Income. Amounts charged to the provision account are generally written off when there is no expectation of recovering additional cash. The other amounts within receivables do not contain impaired assets and it is expected that these amounts will be received in full.

8. Other Financial Assets

Current

Other loans		92	92	147	147
Held-to-maturity - bank term investments		10,000	60,265	10,000	60,000
		10,092	60,357	10,147	60,147

Non-current

Fair value through profit or loss

Endowment Fund - external fund managers	3(k)	270,600	248,929	270,600	248,926
Other shares		20,461	23,736	20,430	17,092
Total fair value through profit or loss		291,061	272,665	291,030	266,018

Other loans		31	122	31	177
Total non-current other financial assets		291,092	272,787	291,061	266,195

Held-to-maturity - bank term investments

The University invests its surplus working capital into bank term investments and these bank term investments have been reported as Financial Assets held-to-maturity. As a result these funds are not reported within Cash and Cash Equivalents in Note 6 or within the Statement of Cash Flows.

Endowment Fund

The University holds investments arising from donations and bequests for the purpose of funding scholarships, prizes and research. These funds are invested with external fund managers in unlisted managed investment schemes.

		Consolidated		University	
		2016	2015	2016	2015
	Note	\$000	\$000	\$000	\$000
9. Derivative Financial Instruments					
Current Assets					
Foreign currency swap contracts - cash flow hedges		-	2	-	2
Non-Current Liabilities					
Interest rate swap contracts - cash flow hedges		13,856	15,706	13,856	15,706
<p>During 2007 the University entered into nine \$10.0 million forward start interest rate swaps (totalling \$90.0 million), to manage its interest rate exposures on planned borrowings for its North Terrace Development Strategy. The swaps commenced in February 2010 and amortise on a straight line basis over twenty years. The University is obligated to pay a fixed interest rate of 6.65%. These interest rate swaps are effective hedges and the fair value of these hedges are recorded as a non-current liability.</p> <p>During the year the University entered into foreign currency swaps totalling \$3.5 million (2015: \$3.6 million) to manage USD foreign currency exposures. These foreign currency swaps were effective hedges and the fair value of these hedges were recorded as a current asset. The swap contracts were delivered when due with \$nil (2015: \$0.002 million) remaining in existence as at 31 December 2016.</p>					
10. Inventories					
	3(o)				
Consumable materials and trading stock		2,010	1,666	697	684
Livestock		381	356	-	-
Provision for obsolescence		(50)	(50)	(50)	(50)
		2,341	1,972	647	634
<p>The University wrote down inventories by nil during the year ended 31 December 2016 (2015: \$0.02 million) on identification of obsolete and overvalued items.</p>					
11. Other Non-Financial Assets					
Current					
Prepayments		10,384	8,931	10,325	8,881
Accrued income		1,404	2,609	1,303	2,526
		11,788	11,540	11,628	11,407
Non-current					
Prepayments		7,632	7,899	7,632	7,899
Total Other Non-Financial Assets		19,420	19,439	19,260	19,306
12. Non-current Assets Classified as Held for Sale					
	3(q)				
Current					
Land held for sale		-	19,901	-	19,901
Buildings held for sale		-	2,699	-	2,699
		-	22,600	-	22,600
<p>Non-current Assets held for sale are stated at the lower of the carrying amount and the fair value less costs to sell. For the fair value of the non-current assets refer to Note 31.</p>					
13. Investments Accounted for Using the Equity Method					
	3(n)				
Investments in associates					
	33				
At cost		-	-	-	-
Equity accounted		231	452	-	-
Interests in joint ventures					
	35				
At cost		-	-	972	972
Equity accounted		1,771	1,669	-	-
		2,002	2,121	972	972
14. Available-for-sale Financial Assets					
Non-current					
Investments in controlled entities	32	-	-	22,902	22,366

15. Property, Plant and Equipment

Consolidated	Trust Land	Other Land	Trust Buildings	Other Buildings	WIP	Leasehold Improvements	Library Collections	Works of Art	Plant and Equipment	Total
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
As at 1 January 2015										
Cost	-	-	17,485	1,400	27,292	20,405	1,195	-	180,912	248,689
Valuation	150,824	51,142	760,307	67,257	-	-	20,852	7,768	-	1,058,150
Accumulated depreciation/amortisation	-	-	(22,040)	(2,033)	-	(10,652)	(2,167)	-	(110,931)	(147,823)
Net book amount	150,824	51,142	755,752	66,624	27,292	9,753	19,880	7,768	69,981	1,159,016
Year ended 31 December 2015										
Opening net book amount	150,824	51,142	755,752	66,624	27,292	9,753	19,880	7,768	69,981	1,159,016
Additions	-	-	-	-	90,530	-	876	78	14,332	105,816
Assets included in a disposal group classified as held for sale and other disposals	-	(1,197)	-	-	-	(35)	(436)	(45)	(963)	(2,676)
Revaluation surplus/(deficit)	-	-	-	-	-	-	-	-	-	-
Impairment loss reversals	-	-	-	1,033	-	-	-	-	-	1,033
Transfers	-	-	27,512	2,683	(35,929)	2,697	-	-	3,037	-
Depreciation/amortisation	-	-	(21,840)	(2,013)	-	(2,222)	(2,179)	-	(13,588)	(41,842)
Closing net book amount	150,824	49,945	761,424	68,327	81,893	10,193	18,141	7,801	72,799	1,221,347
As at 31 December 2015										
Cost	-	-	44,997	4,083	81,893	22,903	1,261	78	189,934	345,149
Valuation	150,824	49,945	760,307	68,290	-	-	21,226	7,723	-	1,058,315
Accumulated depreciation/amortisation	-	-	(43,880)	(4,046)	-	(12,710)	(4,346)	-	(117,135)	(182,117)
Net book amount	150,824	49,945	761,424	68,327	81,893	10,193	18,141	7,801	72,799	1,221,347

15. Property, Plant and Equipment - continued

Consolidated	Trust Land	Other Land	Trust Buildings	Other Buildings	WIP Improvements	Leasehold Collections	Library Works of Art	Plant and Equipment	Total
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
Year ended 31 December 2016									
Opening net book amount as at 1/1/2016	150,824	49,945	761,424	68,327	81,893	10,193	18,141	72,799	1,221,347
Additions	-	-	-	306	179,067	-	628	10	189,534
Assets included in a disposal group classified as held for sale and other disposals	-	-	-	-	(247)	(70)	(1,023)	(391)	(1,743)
Revaluation surplus/(deficit)	11,020	3,197	33,584	1,300	-	-	1,537	-	50,638
Impairment loss reversals	-	-	-	4,843	-	-	-	-	4,843
Transfers	-	-	18,032	1,202	(27,473)	1,312	-	6,927	-
Depreciation/amortisation	-	-	(21,785)	(2,058)	-	(2,706)	(2,194)	(14,806)	(43,549)
Closing net book amount	161,844	53,142	791,255	73,920	233,240	8,729	17,089	7,799	1,421,070
As at 31 December 2016									
Cost	-	-	-	-	233,240	23,810	-	88	458,777
Valuation	161,844	53,142	791,255	73,920	-	-	17,089	7,711	1,104,961
Accumulated depreciation/amortisation	-	-	-	-	-	(15,081)	-	(127,587)	(142,668)
Net book amount	161,844	53,142	791,255	73,920	233,240	8,729	17,089	7,799	1,421,070

15. Property, Plant and Equipment - continued

University	Trust Land \$000	Other Land \$000	Trust Buildings \$000	Other Buildings \$000	WIP \$000	Leasehold Improvements \$000	Library Collections \$000	Works of Art \$000	Plant and Equipment \$000	Total \$000
As at 1 January 2015										
Cost	-	-	17,485	1,400	27,292	20,279	1,195	-	172,222	239,873
Valuation	150,824	49,397	760,307	60,002	-	-	20,852	7,768	-	1,049,150
Accumulated depreciation/amortisation	-	-	(22,040)	(1,960)	-	(10,604)	(2,167)	-	(105,856)	(142,627)
Net book amount	150,824	49,397	755,752	59,442	27,292	9,675	19,880	7,768	66,366	1,146,396
Year ended 31 December 2015										
Opening net book amount	150,824	49,397	755,752	59,442	27,292	9,675	19,880	7,768	66,366	1,146,396
Additions	-	-	-	-	90,530	-	876	78	13,879	105,363
Assets included in a disposal group classified as held for sale and other disposals	-	(1,197)	-	-	-	(35)	(436)	(45)	(480)	(2,193)
Impairment loss reversals	-	-	-	1,033	-	-	-	-	-	1,033
Transfers	-	-	27,512	2,683	(35,929)	2,697	-	-	3,037	-
Depreciation/amortisation	-	-	(21,840)	(1,941)	-	(2,211)	(2,179)	-	(12,989)	(41,160)
Closing net book amount	150,824	48,200	761,424	61,217	81,893	10,126	18,141	7,801	69,813	1,209,439
As at 31 December 2015										
Cost	-	-	44,997	4,083	81,893	22,777	1,261	78	181,336	336,425
Valuation	150,824	48,200	760,307	61,035	-	-	21,226	7,723	-	1,049,315
Accumulated depreciation/amortisation	-	-	(43,880)	(3,901)	-	(12,651)	(4,346)	-	(111,523)	(176,301)
Net book amount	150,824	48,200	761,424	61,217	81,893	10,126	18,141	7,801	69,813	1,209,439

15. Property, Plant and Equipment - continued

University	Trust Land \$000	Other Land \$000	Trust Buildings \$000	Other Buildings \$000	WIP \$000	Leasehold Improvements \$000	Library Collections \$000	Works of Art \$000	Plant and Equipment \$000	Total \$000
Year ended 31 December 2016										
Opening net book amount as at 1/1/2016	150,824	48,200	761,424	61,217	81,893	10,126	18,141	7,801	69,813	1,209,439
Additions	-	-	-	307	179,067	-	628	10	9,125	189,137
Assets included in a disposal group classified as held for sale and other disposals	-	-	-	-	(247)	(70)	(1,023)	(12)	(315)	(1,667)
Revaluation surplus	11,020	3,092	33,584	-	-	-	1,537	-	-	49,233
Impairment loss reversals	-	-	-	3,632	-	-	-	-	-	3,632
Transfers	-	-	18,032	1,202	(27,473)	1,312	-	-	6,927	-
Depreciation/amortisation	-	-	(21,785)	(2,000)	-	(2,695)	(2,194)	-	(14,344)	(43,018)
Closing net book amount	161,844	51,292	791,255	64,358	233,240	8,673	17,089	7,799	71,206	1,406,756
As at 31 December 2016										
Cost	-	-	-	-	233,240	23,684	-	88	195,813	452,825
Valuation	161,844	51,292	791,255	64,358	-	-	17,089	7,711	-	1,093,549
Accumulated depreciation/amortisation	-	-	-	-	-	(15,011)	-	-	(124,607)	(139,618)
Net book amount	161,844	51,292	791,255	64,358	233,240	8,673	17,089	7,799	71,206	1,406,756

	Other Intangible Assets	Consolidated Intangibles in Progress	Total
16. Intangible Assets			
As at 1 January 2015			
Cost	53,682	8,580	62,262
Accumulated amortisation and impairment	(35,675)	-	(35,675)
Net book amount as at 1 January 2015	18,007	8,580	26,587
Year ended 31 December 2015			
Opening net book amount	18,007	8,580	26,587
Additions	431	10,023	10,454
Disposals	-	(124)	(124)
Transfer to / (from) WIP	8,947	(8,947)	-
Amortisation charge	(7,370)	-	(7,370)
Closing net book amount as at 31 December 2015	20,015	9,532	29,547
As at 31 December 2015			
Cost	62,625	9,532	72,157
Accumulated amortisation and impairment	(42,610)	-	(42,610)
Net book amount as at 31 December 2015	20,015	9,532	29,547
Year ended 31 December 2016			
Opening net book amount	20,015	9,532	29,547
Additions	364	12,725	13,089
Disposals	-	(48)	(48)
Transfer to / (from) WIP	11,097	(11,097)	-
Amortisation charge	(6,276)	-	(6,276)
Closing net book amount as at 31 December 2016	25,200	11,112	36,312
As at 31 December 2016			
Cost	74,085	11,112	85,197
Accumulated amortisation and impairment	(48,885)	-	(48,885)
Net book amount as at 31 December 2016	25,200	11,112	36,312

	Other Intangible Assets	University Intangibles in Progress	Total
16. Intangible Assets - continued			
As at 1 January 2015			
Cost	53,682	8,580	62,262
Accumulated amortisation and impairment	(35,675)	-	(35,675)
Net book amount as at 1 January 2015	18,007	8,580	26,587
Year ended 31 December 2015			
Opening net book amount	18,007	8,580	26,587
Additions	431	10,023	10,454
Disposals	-	(124)	(124)
Transfer to / (from) WIP	8,947	(8,947)	-
Amortisation charge	(7,370)	-	(7,370)
Closing net book amount as at 31 December 2015	20,015	9,532	29,547
As at 31 December 2015			
Cost	62,625	9,532	72,157
Accumulated amortisation and impairment	(42,610)	-	(42,610)
Net book amount as at 31 December 2015	20,015	9,532	29,547
Year ended 31 December 2016			
Opening net book amount	20,015	9,532	29,547
Additions	364	12,725	13,089
Disposals	-	(48)	(48)
Transfer to / (from) WIP	11,097	(11,097)	-
Amortisation charge	(6,276)	-	(6,276)
Closing net book amount as at 31 December 2016	25,200	11,112	36,312
As at 31 December 2016			
Cost	74,085	11,112	85,197
Accumulated amortisation and impairment	(48,885)	-	(48,885)
Net book amount as at 31 December 2016	25,200	11,112	36,312

		Consolidated		University	
		2016	2015	2016	2015
	Note	\$000	\$000	\$000	\$000
17. Payables					
Current					
Accounts payable		58,853	54,263	55,388	49,548
Annual and long service leave oncosts	21	5,213	4,682	5,134	4,526
Accruals		5,446	5,840	3,048	2,628
Salary and related expenses payable		11,051	10,448	11,047	10,445
OS-HELP Liability to Australian Government		1,775	1,305	1,775	1,305
		82,338	76,538	76,392	68,452
Non-current					
Annual and long service leave oncosts	21	11,493	11,737	11,471	11,721
		11,493	11,737	11,471	11,721
Total Payables		93,831	88,275	87,863	80,173
18. Borrowings					
Current					
Interest bearing borrowings		5,000	5,000	5,000	5,000
Non-current					
Interest bearing borrowings		62,510	46,510	62,510	46,510
Total Borrowings		67,510	51,510	67,510	51,510

The University maintains an unsecured \$40 million Multi-Option Facility (as a standby working capital facility) and further unsecured Revolving Facilities with total limits of \$117.5 million. As at 31 December 2016 the standby working capital facility has not been drawn and \$67.5 million of the Revolving Facilities is drawn.

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
19. Provisions					
Current					
Workers' compensation provision		614	376	614	376
Annual and long service leave	21	28,182	25,162	27,446	23,917
Insurance provision		2,563	2,412	2,563	2,412
		31,359	27,950	30,623	26,705
Non-current					
Workers' compensation provision		616	359	616	358
Annual and long service leave	21	56,868	55,610	56,681	55,458
Defined benefit fund net liability	26(c)	7,866	8,360	7,866	8,360
		65,350	64,329	65,163	64,176
Total Provisions		96,709	92,279	95,786	90,881
		Workers' compensation provision	Annual and long service leave	Insurance Provision	Defined benefit fund net liability
		\$000	\$000	\$000	\$000
Movements in provisions					
Consolidated - current					
Carrying amount at start of year		376	25,162	2,412	-
Additional/(reductions in) provisions recognised		238	3,020	151	-
Carrying amount at the end of the year		614	28,182	2,563	-
Consolidated - non-current					
Carrying amount at start of year		359	55,610	-	8,360
Additional/(reductions in) provisions recognised		257	1,258	-	(494)
Carrying amount at the end of the year		616	56,868	-	7,866
Movements in provisions					
University - current					
Carrying amount at start of year		376	23,917	2,412	-
Additional/(reductions in) provisions recognised		238	3,529	151	-
Carrying amount at the end of the year		614	27,446	2,563	-
University - non-current					
Carrying amount at start of year		358	55,458	-	8,360
Additional/(reductions in) provisions recognised		258	1,223	-	(494)
Carrying amount at the end of the year		616	56,681	-	7,866

Workers' compensation provision

Provision is made based on an actuarial assessment of workers' compensation estimated claims liability for future years. Refer to policy Note 3(u) Workers' Compensation.

Annual and long service leave

Provision is made for benefits accruing to employees in respect of annual leave and long service leave when it is probable that settlement will be required and they are capable of being measured reliably. Refer to policy Note 3(h) Employee Benefits.

Insurance provision

Provision has been made for the actuarial assessment of future liability to the University for losses incurred prior to 31 December 2016 that were expected to be paid subsequent to 1 January 2017 and are below the University deductible in the University insurance policies.

Defined benefit fund net liability

Provision is made for the Super Scheme A 1985 defined benefit obligation in accordance with AASB 119 Employee Benefits. Refer to Note 3(h) Employee Benefits and Note 26(c) The University of Adelaide Super Scheme A 1985.

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
20. Other Liabilities					
Current					
Outside funded positions		337	770	337	770
Income in advance		239	1,538	1,131	754
Student tuition fees received in advance		13,721	11,863	13,721	11,863
Residential bonds		342	356	342	356
Employee benefits – separation packages		1,085	4,080	1,038	3,808
Funds held on deposit		-	-	8,445	3,592
Other		2,536	2,342	2,517	2,342
		18,260	20,949	27,531	23,485
Non-Current					
Other		154	1,555	154	1,555
		154	1,555	154	1,555
Total Other Liabilities		18,414	22,504	27,685	25,040

21. Employee Benefits and Related On-Cost Liabilities

In accordance with the requirements of AASB 119 "Employee Benefits", employee on-costs are required to be reported as payables whilst leave liability amounts are reported separately in Note 19. Below is a composite note disclosure showing the total liabilities the Consolidated Entity has as at 31 December 2016 relating to employee benefits:

Annual Leave

On-costs included in payables - current	17	3,941	3,408	3,905	3,356
Employee benefits - current	19	21,584	18,802	21,213	18,342
		25,525	22,210	25,118	21,698
On-costs included in payables - non-current	17	1,645	1,430	1,636	1,421
Employee benefits - non-current	19	8,985	7,696	8,904	7,615
		10,630	9,126	10,540	9,036

Long Service Leave

On-costs included in payables - current	17	1,272	1,274	1,229	1,170
Employee benefits - current	19	6,598	6,360	6,233	5,575
		7,870	7,634	7,462	6,745
On-costs included in payables - non-current	17	9,848	10,307	9,835	10,300
Employee benefits - non-current	19	47,883	47,914	47,777	47,843
		57,731	58,221	57,612	58,143
		101,756	97,191	100,732	95,622

22. Retained Surplus and Reserves

22(a) Summary

Capital reserves

Capital reserve	-	2,971	-	-
Capital profits reserve	-	1,481	-	-
Asset revaluation surplus	346,229	295,592	344,575	295,342
Initial asset recognition reserve	279,124	279,124	279,124	279,124
Available-for-sale financial assets revaluation reserve	-	-	22,902	22,366
	625,353	579,168	646,601	596,832

Specific purpose reserves

Special reserve	300,787	319,937	300,787	319,937
Bequests/donations unspent income reserve	9,049	7,129	9,049	7,129
Restricted purpose bequest capital reserve	177,655	172,571	177,655	172,571
Endowment fund revaluation reserve	126,647	108,719	126,647	108,719
	614,138	608,356	614,138	608,356

Retained surplus	329,813	268,310	305,753	249,254
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	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
22. Reserves - continued					
22(b) Movements in reserves					
Capital reserve					
Opening balance		2,971	2,971	-	-
Current year movement		(2,971)	-	-	-
Closing balance		-	2,971	-	-
Capital profits reserve					
Opening balance		1,481	1,481	-	-
Current year movement		(1,481)	-	-	-
Closing balance		-	1,481	-	-
Asset revaluation surplus					
Opening balance		295,592	295,592	295,342	295,342
Add revaluation increment on property, plant and equipment		50,637	-	49,233	-
Closing balance		346,229	295,592	344,575	295,342
Initial asset recognition reserve					
Opening balance		279,124	279,124	279,124	279,124
Current year movement		-	-	-	-
Closing balance		279,124	279,124	279,124	279,124
Available-for-sale financial assets revaluation reserve					
Opening balance		-	-	22,366	25,562
Current year movement		-	-	536	(3,196)
Closing balance		-	-	22,902	22,366
Special reserve					
Opening balance		319,937	308,826	319,937	308,826
Current year movement		5,782	23,257	5,782	23,257
Transfer (to) / from retained surplus		(24,932)	(12,146)	(24,932)	(12,146)
Closing balance		300,787	319,937	300,787	319,937
Bequests/donations unspent income reserve					
Opening balance		7,129	7,511	7,129	7,511
Transfer (to) / from retained surplus		1,920	(382)	1,920	(382)
Closing balance		9,049	7,129	9,049	7,129
Restricted purpose bequest capital reserve					
Opening balance		172,571	169,730	172,571	169,730
Transfer from retained surplus		5,084	2,841	5,084	2,841
Closing balance		177,655	172,571	177,655	172,571
Endowment fund revaluation reserve					
Opening balance		108,719	99,032	108,719	99,032
Transfer (to) / from retained surplus		17,928	9,687	17,928	9,687
Closing balance		126,647	108,719	126,647	108,719

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
22. Reserves - continued					
22(c) Nature and purpose of reserves					
Capital reserve					
Represents capital accounts held within controlled entities of the University.					
Capital profits reserve					
Represents the accumulation of realised revalued increments of assets sold.					
Asset revaluation surplus					
Is used to record increments and decrements on the revaluation of non-current assets. Refer accounting policy note 3(p).					
Initial asset recognition reserve					
Represents the equity impact arising from the recognition of assets which until the first time the University prepared a set of accrual financial statements, had not previously been recognised.					
Available for sale financial assets revaluation reserve					
Is used to record increments and decrements on the revaluation of available for sale financial assets. Refer accounting policy note 3(k).					
Specific purpose reserves					
Represents a number of reserves generated through a series of specific purpose transactions, that can only be used in accordance with the attributes of the generating transactions. The special reserve is created for surplus funds which will be specifically acquitted in future accounting periods.					
23. Reconciliation of net cash provided by operating activities to net operating result					
Net operating result		60,908	51,614	60,237	54,354
Add/(subtract) non cash items					
Amortisation	5	8,982	9,592	8,971	9,581
Depreciation	5	40,843	39,622	40,323	38,948
Write down / (up) of investments		(19,996)	(17,308)	(21,266)	(17,687)
Other revenue/expenses		(14,001)	18,119	(17,923)	16,537
Reversal of impairment of other buildings	4	(4,843)	(1,033)	(3,632)	(1,033)
Impairment loss on non-current assets held for sale	5	-	79	-	79
Funds held on deposit		-	-	2,000	1,500
(Profit)/loss on sale of property, plant and equipment		(1,293)	(12,526)	(1,336)	(12,549)
Changes in assets/liabilities					
(Increase)/decrease in inventories		(369)	121	(13)	195
(Increase)/decrease in receivables		6,850	(10,518)	6,940	(9,905)
(Increase)/decrease in other assets		9	1,665	46	1,611
Increase/(decrease) in payables		5,556	6,804	7,690	7,556
Increase/(decrease) in other liabilities		(2,689)	3,399	2,645	3,309
Increase/(decrease) in provisions		4,430	3,769	4,905	3,915
Net cash provided by operating activities		84,387	93,399	89,587	96,411

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
24. Commitments					
Operating expenditure					
Contracted but not provided for and payable:					
Within one year		23,781	20,923	23,781	20,418
Between one and five years		10,705	12,239	10,705	12,239
Later than five years		-	-	-	-
Total operating expenditure commitments		34,486	33,162	34,486	32,657
Capital commitments					
Capital expenditure contracted for at the reporting date but not recognised as liabilities is as follows:					
Property, plant and equipment					
Within one year		22,905	137,648	22,905	137,648
Between one and five years		-	-	-	-
Later than five years		-	-	-	-
Total capital commitments		22,905	137,648	22,905	137,648
Lease commitments					
Operating Leases					
The operating lease commitments primarily relate to leases of photocopiers, computers, office equipment and office space.					
Commitments for minimum lease payments in relation to non-cancellable operating leases are payable as follows:					
Within one year		13,695	13,006	13,695	13,006
Between one and five years		35,052	36,762	35,052	36,762
Later than five years		13,390	18,953	13,390	18,953
Total future minimum lease payments		62,137	68,721	62,137	68,721

25. Contingencies

(a) Guarantees

On July 1 2006 the University ceased to be a Crown exempt employer and was required to register as an exempt employer with ReturnToWorkSA and provide a bank guarantee to cover projected workers' compensation outstanding claims liabilities. Currently, the University has provided a \$1.5 million bank guarantee to ReturnToWorkSA. The amount of the guarantee was based on an actuarial assessment of the projected workers' compensation claims liabilities. In 2016, the University was advised by ReturnToWorkSA that it had approved a self-insurance renewal for a period of five years with an agreed renewal date of 21 March 2021.

(b) Superannuation

(i) The University of Adelaide Superannuation Scheme A 1985 (Scheme A 1985)

The University has guaranteed that members of this superannuation scheme will receive defined benefits in the event that this closed scheme has insufficient assets to meet the benefits. Employer contributions of 14% of salaries recommenced on actuarial advice as from 1 January 2003 to ensure there are sufficient assets in the scheme to meet expected future liabilities of remaining members. Refer to Note 26(c).

(ii) UniSuper Limited Superannuation Schemes

Refer to Note 26(b).

(c) Litigation

In the ordinary course of its operations, the University and its controlled entities become involved in legal disputes. At the date of adoption of these financial statements, some matters remain outstanding. On legal advice, the University is of the opinion that no material losses are likely to arise. Notwithstanding the fact the University is of the opinion that no material losses are likely to arise, an action has been served upon one of the University's Controlled Entities, Adelaide Unicare, which is subject to a process of confidential mediation.

The outcome of this mediation process may have an impact on the carrying value of both the University available-for-sale financial assets and the net assets recognised in the University Consolidated Financial Statements. The University or its controlled entities will make a provision where a material loss is identified. Claims of an insurance nature have been covered by a provision of \$2.6 million to the extent that such claims are not covered by the University's comprehensive insurance program. Refer Note 19.

26. Superannuation Schemes

(a) Categories

The University contributes to a range of superannuation schemes, which are divided into the following categories:

- (i) Those operative and open to membership:
 - UniSuper Defined Benefit Plan or Accumulation Super 2
 - Accumulation Super 1
- (ii) Those operative but closed to future membership:
 - The University of Adelaide Superannuation Scheme A 1985 (Scheme A 1985)
- (iii) State Government Schemes closed to future membership by University employees:
 - State Pension Scheme
 - State Lump Sum Scheme

(b) UniSuper Limited Superannuation Schemes

The employees' UniSuper plan is determined by the terms of employment and is administered by UniSuper Management Pty Ltd with UniSuper Ltd as the trustee.

The employer contribution rate during 2016 for employees in either the Defined Benefit Division or Accumulation Super 2 was 14% of salaries plus 3% of salaries. The contribution to the Accumulation Super 1 and for employees only in the Accumulation Super 1 was 9.5% of salaries.

The operation of Clause 34 of the Trust Deed (as amended in 2006) means that the UniSuper Defined Benefit Division is a defined contribution fund for the purpose of AASB 119, allowing participating employers to treat the UniSuper Defined Benefit Division as a defined contribution fund.

While remaining a defined benefits plan under superannuation law, the change in the UniSuper Trust Deed effectively alters the nature of the scheme to a defined contribution scheme under AASB 119.

Clause 34 states that where the trustee considers the assets to be insufficient to provide benefits payable under the Deed, the Trustee must consider reducing the benefits of its members on a fair and equitable basis.

Clause 34 monitoring periods were initiated following the 30 June 2012 and 30 June 2013 actuarial investigations.

Following the end of the monitoring period commencing on 30 June 2012, the Funds actuary advised that the Trustee is not required to take any further action, and that the monitoring period is now ceased. The monitoring period commencing on 30 June 2013 is still in place.

As set out under paragraph 28 of AASB119 a defined contribution plan is a plan where the employer's legal or constructive obligation is limited to the amount it agrees to contribute to the fund and the actuarial risk and investment risk fall on the employee.

As at 30 June 2016 the assets of the Defined Benefit Division in aggregate were estimated to be \$2,252 million (30 June 2015: \$1,479 million) above vested benefits after allowing for various reserves. The Vested Benefits Index based on funding assumptions was 112.2%. The vested benefits are benefits which are not conditional upon continued membership (or any factor other than leaving the service of the participating institution) and include the value of indexed pensions being provided by the Defined Benefit Division.

As at 30 June 2016 the assets of the Defined Benefit Division in aggregate were estimated to be \$3,757 million (30 June 2015: \$3,377 million) above accrued benefits after allowing for various reserves. The Accrued Benefits Index based on best estimate assumptions was 122.2%. The accrued benefits have been calculated as the present value of expected future benefit payments to members and indexed pensioners which arise from membership of UniSuper up to the reporting date.

The actuarial investigation of the Fund as 1 July, 2016 was conducted by Ms Kate Maartensz and Ms Jennifer Wong, Fellows of the Institute of Actuaries of Australia, using the actuarial demographic assumptions outlined in their report on the actuarial investigation of the Defined Benefit Division as at 1 July 2016. The financial assumptions used were:

	Vested Benefits	Accrued Benefits
Gross of tax investment return - Defined Benefit Division pensions	5.30% p.a.	6.90% p.a.
Gross of tax investment returns - commercial rate indexed pensions	3.70% p.a.	3.70% p.a.
Net of tax investment return - non pensioner members	4.60% p.a.	6.10% p.a.
Consumer Price Index	2.50% p.a.	2.50% p.a.
Inflationary salary increases long term	3.50% p.a.	3.50% p.a.

Assets have been included at their net market value, that is, after allowing for realisation costs.

26. Superannuation Schemes – continued

(c) The University of Adelaide Superannuation Scheme A 1985

The University of Adelaide Superannuation Scheme A 1985 (Scheme) is a defined benefit plan in accordance with AASB 119 Employee Benefits that provides superannuation benefits for employees who had not transferred to UniSuper. The Trustee and administrator of the Scheme is Tidswell Financial Services Ltd. The Scheme is governed by a separate trust deed and the general laws relating to trusts and superannuation.

Nature of the benefits provided by the Scheme

Defined benefit members receive lump sum benefits on retirement, death, disablement and withdrawal. Some defined benefit members are also eligible for pension benefits in some cases. The defined benefit section of the Scheme is closed to new members. All new members receive accumulation only benefits.

Description of the regulatory framework

The Superannuation Industry (Supervision) (SIS) legislation governs the superannuation industry and provides the framework within which superannuation plans operate. The SIS Regulations require an actuarial valuation to be performed for each defined benefit superannuation plan every three years, or every year if the plan pays defined benefit pensions unless an exemption has been obtained from the Australian Prudential Regulation Authority.

Description of other entities' responsibilities for the governance of the Scheme

The Scheme's Trustee is responsible for the governance of the Scheme. The Trustee has a legal obligation to act solely in the best interests of the Scheme beneficiaries. The Trustee has the following roles:

- Administration of the Scheme and payment to the beneficiaries from Scheme assets when required in accordance with the Scheme rules;
- Management and investment of the Scheme assets; and
- Compliance with superannuation law and other applicable regulations.

The prudential regulator, the Australian Prudential Regulation Authority (APRA), licenses and supervises regulated superannuation plans.

Description of risks

There are a number of risks to which the Scheme exposes the University. The more significant risks relating to the defined benefits are:

- **Investment risk** - The risk that investments returns will be lower than assumed and the University will need to increase contributions to offset this shortfall.
- **Salary growth risk** - The risk that wages or salaries (on which future benefit amounts will be based) will rise more rapidly than assumed, increasing defined benefit amounts and thereby requiring additional employer contributions.
- **Legislative risk** - The risk is that legislative changes could be made which increase the cost of providing the defined benefits.
- **Pension risk** - The risk is firstly that pensioner mortality will be lighter than expected, resulting in pensions being paid for a longer period. Secondly, that a greater proportion of eligible members will elect to take a pension benefit, which is generally more valuable than the corresponding lump sum benefit.
- **Inflation risk** - The risk that inflation is higher than anticipated, increasing pension payments, and thereby requiring additional employer contributions.
- **Timing of members leaving service** - As the Scheme has only a small number of members, members leaving may have an impact on the financial position of the Scheme, depending on the financial position of the Scheme at the time they leave. The impact may be positive or negative, depending upon the circumstances and timing of the withdrawal.

The defined benefit assets are invested in the investment options with benchmark exposure to 'growth' assets such as shares and property of about 65%, with the remaining 35% exposed to 'defensive' assets such as cash and bonds. The assets are diversified within these investment options and therefore the Scheme has no significant concentration of investment risk.

Description of significant events

There were no plan amendments affecting the defined benefits payable, curtailments or settlements during the year.

26. Superannuation Schemes – continued

(c) The University of Adelaide Superannuation Scheme A 1985 - continued

	Note	2016 \$000	2015 \$000
Reconciliation of the Net Defined Benefit Liability/(Asset)			
Net defined benefit liability/(asset) at the beginning of the year		8,360	8,082
Add			
Current service costs		434	440
Net interest		242	233
Actuarial (gains) / losses arising from changes in financial assumptions		300	(107)
Actuarial (gains) / losses arising from liability experience		382	(64)
Less			
Actual return on Scheme assets less interest income		(878)	160
Employer contributions		(974)	(384)
Net defined benefit liability/(asset) at the end of the year		7,866	8,360
Reconciliation of the defined benefit obligation			
Present value of defined benefit obligations at the beginning of the year		21,525	21,620
Add			
Current service costs		434	440
Interest cost		664	677
Contributions by Scheme participants		36	33
Actuarial (gains) / losses arising from changes in financial assumptions		300	(107)
Actuarial (gains) / losses arising from liability experience		382	(64)
Less			
Benefits paid		(832)	(831)
Taxes, premiums and expenses paid		(399)	(243)
Present value of defined benefit obligations at the end of the year		22,110	21,525
Reconciliation of the fair value of Scheme assets			
		13,165	13,538
Add			
Interest income		422	444
Actual return on Scheme assets less interest income		878	(160)
Employer contributions		974	384
Contributions by Scheme participants		36	33
Less			
Benefits paid		(832)	(831)
Taxes, premiums and expenses paid		(399)	(243)
Fair value of Scheme assets at the end of the year		14,244	13,165
Reconciliation of the Assets and Liabilities recognised in the Statement of Financial Position			
Defined benefit obligation including contributions tax provision		22,110	21,525
Less			
Fair value of scheme assets		(14,244)	(13,165)
Defined benefit fund net liability	19	7,866	8,360
Expense recognised in the Statement of Comprehensive Income			
Service cost		434	440
Net interest		242	233
Defined benefit cost recognised in Net operating result		676	673
Amounts recognised in Other Comprehensive Income			
Actuarial (gains) / losses		682	(171)
Actual return on Scheme assets less interest income		(878)	160
Total remeasurements recognised in Other Comprehensive Income		(196)	(11)
Reconciliation of the Effect of the Asset Ceiling			
The asset ceiling has no impact on the net defined benefit liability.			

26. Superannuation Schemes – continued

(c) The University of Adelaide Superannuation Scheme A 1985 - continued

Fair value of Scheme assets

As at 31 December 2016

	2016 \$'000	Level 1 \$'000	Level 2 \$'000	Level 3 \$'000
Asset Category				
Investment Funds	14,244	-	14,244	-
	14,244	-	14,244	-

As at 31 December 2015

	2015 \$'000	Level 1 \$'000	Level 2 \$'000	Level 3 \$'000
Asset Category				
Investment Funds	13,165	-	13,165	-
	13,165	-	13,165	-

Scheme assets

The percentage invested in each asset class at the reporting date:

	2016	2015
Australian equity	39%	41%
International equity	16%	17%
Fixed income	35%	32%
Property	7%	7%
Cash	3%	3%

Fair value of University's own financial instruments

The fair value of Scheme assets does not include amounts relating to any of the University's own financial instruments or any property occupied by, or other assets used by, the University.

	2016 \$'000	2015 \$'000
Actual return on scheme assets	1,300	284

Significant actuarial assumptions at the balance date

Assumptions to determine Defined Benefit Cost

Discount rate	3.40%	3.40%
Expected salary increase rate	3.00%	3.00%
Expected pension increase rate	2.50%	2.50%

Assumptions to determine Defined Benefit Obligation

Discount rate	3.30%	3.44%
Expected salary increase rate	3.00%	3.00%
Expected pension increase rate	2.50%	2.50%

26. Superannuation Schemes – continued

(c) The University of Adelaide Superannuation Scheme A 1985 - continued

Sensitivity Analysis

The defined benefit obligation as at 31 December 2016 under several scenarios is presented below.

Scenario A and B relate to discount rate sensitivity. Scenario C and D relate to salary increase rate sensitivity. Scenario E to H relate to sensitivities on pension assumptions.

Scenario A: 0.5% pa lower discount rate assumption

Scenario B: 0.5% pa higher discount rate assumption

Scenario C: 0.5% pa lower salary increase rate assumption

Scenario D: 0.5% pa higher salary increase rate assumption

Scenario E: 0.5% pa lower pension increase rate assumption

Scenario F: 0.5% pa higher pension increase rate assumption

Scenario G: 10% lower pensioner mortality rate assumption

Scenario H: 10% higher pensioner mortality rate assumption

	Base Case	A	B	C	D
		-0.5% pa discount rate	+0.5% pa discount rate	-0.5% pa salary increase rate	+0.5% pa salary increase rate
Discount rate	3.3% pa	2.8% pa	3.8% pa	3.3% pa	3.3% pa
Salary increase rate	3.0% pa	3.0% pa	3.0% pa	2.5% pa	3.5% pa
Defined benefit obligation^ (\$'000)	22,110	23,552	20,795	22,013	22,206

	Base Case	E	F	G	H
		-0.5% pa pension increase rate	+0.5% pa pension increase rate	10% lower pensioner mortality rate	10% higher pensioner mortality rate
Pension increase rate	2.5% pa	2.0% pa	3.0% pa	2.5% pa	2.5% pa
Pensioner mortality (MSRP*)	100%	100%	100%	90%	110%
Defined benefit obligation^ (\$'000)	22,110	20,868	23,457	23,066	21,264

^ includes defined benefit contributions tax provision

* Mercer Standard Retiree Pensioner Mortality rates 2005-2009

The defined benefit obligation has been recalculated by changing the assumptions as outlined above, whilst retaining all other assumptions.

Asset-Liability matching strategies

The University is not aware of any asset and liability matching strategies adopted by the Scheme.

Expected contributions

The expected employer contributions for the year ended 31 December 2017 are \$1.0 million (2016: \$0.3 million).

Maturity profile of defined benefit obligation

The weighted average duration of the defined benefit obligation as at 31 December 2016 is 13 years.

Expected benefit payments for the financial year ending on	\$000
31 December 2017	965
31 December 2018	960
31 December 2019	967
31 December 2020	956
31 December 2021	954
Following 5 years	4,453

26. Superannuation Schemes – continued

(d) State Government Superannuation Schemes

In 1991, employees of the City Campus of the South Australian College of Advanced Education and Roseworthy Agricultural College were transferred to the University. Their terms of appointment to the University protected their membership of the State Pension Scheme and State Lump Sum Scheme. The schemes are administered by Super SA on behalf of the South Australian Superannuation Board. The schemes provide defined benefits and are mainly unfunded. The only employer contributions made in 2016 were 3% of salaries, and remaining benefits are met on an emerging cost basis.

Under current arrangements, Super SA pays eligible members their benefit and is reimbursed by the University for the shortfall in the employer's contribution. The Commonwealth Government fully funds the University on an emerging costs basis for the costs and recovers the State's share of the cost directly from the State Government under a Commonwealth/State Agreement. The Agreement provides that the employer component of the superannuation benefits payable to former employees of the University who were members of one of the main State Schemes, be shared.

An actuarial assessment of the University's superannuation liability with respect to future benefits for current employees and pensioners was performed by PricewaterhouseCoopers (the actuary) as at 31 December 2016, using the Projected Unit Credit Method. The actuarial valuation was based on 30 June 2016 membership data which was projected to 31 December 2016. The present value of the defined benefit obligations has been calculated to be \$69.5 million (2015: \$71.5 million).

The actuary estimates that, as at 31 December 2016, using AASB 119 Employee Benefits assumptions there is an unfunded liability of \$66.2 million (2015: \$68.4 million). This represents a decrease in liability of \$2.2 million since 31 December 2015.

The Commonwealth Government has agreed to provide assistance under Division 41-10 Item 6 of the Higher Education Support Act 2003 to meet the additional costs in respect of State Government emerging cost schemes, where costs are in excess of funding provided. The accounting methodology employed in these financial statements is in accordance with "Financial Statement Guidelines for Australian Higher Education Providers for 2016 Reporting Period" provided by the Department of Education and Training. The accounting treatment employed is also consistent with the approach taken by other Australian Universities. Accordingly, total assets of \$66.2 million have been recorded as a "Deferred government superannuation contribution" which offsets the current and non-current liability for the State Government Superannuation Schemes recorded as "Defined Benefit Obligation".

Maturity Profile

The weighted average duration of the defined benefit obligation is 12.97 years (2015: 13.40 years). The expected maturity analysis of undiscounted benefit obligations is as follows:

	Less than 1 year	Between 1 and 2 years	Between 2 and 5 years	Over 5 years	Total
	\$'000	\$'000	\$'000	\$'000	\$'000
Defined Benefit obligation 31 December 2016	4,360	4,402	13,226	79,503	101,491
Defined Benefit obligation 31 December 2015	4,331	4,412	13,468	84,511	106,722

Plan Assets

The analysis of the plan assets and the expected rate of return at the balance sheet date is as follows:

	2016 (%)		2015 (%)	
	Active Market	Non-Active Market	Active Market	Non-Active Market
Australian Equities	24.0	0.0	24.0	0.0
International Equities	24.1	0.0	25.6	0.0
Property	2.5	11.8	2.6	11.8
Diversified Strategies Growth	0.8	10.2	0.7	9.0
Diversified Strategies Income	15.7	0.0	13.8	0.0
Inflation Linked Securities	0.0	5.7	0.0	7.2
Long Term Fixed Interest	2.8	0.0	2.0	0.0
Cash	2.4	0.0	3.3	0.0
Total	72.3	27.7	72.0	28.0

26. Superannuation Schemes – continued

(d) State Government Superannuation Schemes - continued

Reconciliation of the present value of the defined benefit obligation

	2016	2015
	\$000	\$000
Reconciliation of the Net Defined Benefit Liability/(Asset)		
Present value of defined benefit obligation at start of year	71,461	74,323
Current service costs	45	35
Interest cost	2,217	2,238
Contributions by plan participants	-	-
Actuarial (gains) / losses		
(a) Impact of changes in demographic assumptions	-	-
(b) Impact of changes in financial assumptions	725	(857)
(c) Experience items	(570)	(347)
Benefits and expenses paid	(4,422)	(3,931)
Present value of defined benefit obligations at end of year	69,456	71,461

Reconciliation of the fair value of the defined benefit plan assets

Fair value of Scheme assets at start of year	3,033	2,820
Interest income	96	85
Actual return on Scheme assets less interest income	155	119
Employer contributions	4,427	3,940
Contributions by Scheme participants	-	-
Benefits and expenses paid	(4,422)	(3,931)
Fair value of Scheme assets at end of year	3,289	3,033

Net Liability

Defined Benefit obligation	69,456	71,461
Fair value of scheme assets	(3,289)	(3,033)
Defined benefit fund net liability	66,167	68,428

Movement in Net Liability

Net superannuation liability/(asset) at start of year	68,428	71,502
Defined Benefit cost	2,165	2,189
Remeasurements	-	(1,323)
Employer contributions	(4,426)	(3,940)
Net superannuation liability/(asset) at end of year	66,167	68,428

Profit and Loss Impact

Service cost	45	35
Net interest	2,121	2,153
Defined Benefit cost	2,166	2,188

Other Comprehensive Income

Actuarial losses/(gains)	155	(1,203)
Actual return on assets less interest income	155	120
Total remeasurements in Other Comprehensive Income	-	(1,323)

26. Superannuation Schemes – continued

(d) State Government Superannuation Schemes - continued

Summary	Consolidated		University	
	2016	2015	2016	2015
	\$000	\$000	\$000	\$000
Deferred Government Superannuation Contribution				
Current asset	4,400	4,300	4,400	4,300
Non-current asset	61,767	64,128	61,767	64,128
	66,167	68,428	66,167	68,428
Defined Benefit Obligation				
Current liability	4,400	4,300	4,400	4,300
Non-current liability	61,767	64,128	61,767	64,128
	66,167	68,428	66,167	68,428

Major economic assumptions

The following major assumptions have been made in assessing the defined benefit superannuation liabilities as at balance date:

	2016	2015
Discount rate	3.1%	3.2%
Long term salary rate increases	4.0%	4.0%
Long term CPI increases	2.5%	2.5%

Sensitivity Analysis

The defined benefit obligation as at 31 December 2016 under several scenarios is presented below.

Scenario A and B relate to discount rate sensitivity. Scenario C and D relate to salary increase rate sensitivity. Scenario E and F relate to sensitivities on pension increase assumptions.

- Scenario A: Discount Rate Plus 0.5%
- Scenario B: Discount Rate Less 0.5%
- Scenario C: Salary Increase Rate Plus 0.5%
- Scenario D: Salary Increase Rate Less 0.5%
- Scenario E: Pension Increase Rate Plus 0.5%
- Scenario F: Pension Increase Rate Less 0.5%

	Base Case	A	B	C
Present value of defined benefit obligation (\$'000)	69,456			
Defined benefit obligation (\$'000)		66,004	73,213	69,505
Change in Defined benefit obligation (%)		-5.0%	5.4%	0.1%

	Base Case	D	E	F
Present value of defined benefit obligation (\$'000)	69,456			
Defined benefit obligation (\$'000)		69,408	73,350	65,851
Change in Defined benefit obligation (%)		-0.1%	5.6%	-5.2%

26. Superannuation Schemes – continued

(e) Contributions		2016	2015
The total employer contributions were:			
	Note	\$000	\$000
UniSuper Defined Benefit Division (UniSuper Defined Contribution Plan) or Accumulation Super 2		37,726	36,531
Accumulation Super 1		18,348	17,652
Super SA		52	85
State Government Superannuation Schemes (3%)		5	8
The University of Adelaide Superannuation Scheme A 1985		70	64
Self-managed funds		126	141
		56,327	54,481

27. Disaggregation Information

The University predominantly operates in the field of higher education in Australia. Its primary activities are teaching and research. Income generated overseas from teaching and research activities is not so significant as to warrant disaggregation information disclosure.

28. Auditors' Remuneration

	Consolidated		University	
	2016	2015	2016	2015
	\$000	\$000	\$000	\$000
Audit of the Financial Statements				
Fees paid to South Australian Auditor-General	294	291	294	291
Other auditors of controlled entities	84	101	-	-
	378	392	294	291
Other audit and assurance services				
Other auditors of controlled entities	7	6	-	-
	385	398	294	291

Amounts paid or payable for other audit and assurance services relate to the provision of accounting services.

29. The University Council Members and Senior Management

(a) Names of the University Council Members and Senior Management

University Council Members

Ex officio	Bebbington, Professor Warren	
	Scarce AC CSC RAN (Rtd), Rear Admiral The Hon Kevin	reappointed 1/12/2016
	Williams, Professor John	appointed 1/1/2016
Appointed	Branson QC, The Hon Catherine	
	Davidson AM, Ms Dianne	ceased 31/12/2016
	Hill, Mr David	
	Liddle, Ms Kerryne	
	Locher, Ms Christine	
	Presser, Ms Kathryn	
	Siebels, Mr Peter	appointed 1/1/2016
Elected Staff	Abell, Professor Andrew	
	Hayford, Ms Julie	
	Matthews, Mr Stuart	
	Patrikeeff, Associate Professor Felix	
Elected Graduates	Day, Mr Robin Elliott	re-elected 6/9/2016
	Storer, Mr Timothy	elected 6/9/2016
	Watson AM, Dr Bruce Ian	elected 6/9/2016
Students	Dutcher, Mr Ethan	ceased 5/3/2016
	Johnston, Mr James	ceased 5/3/2016
	Lienert, Mr Jack	ceased 5/3/2016
	Lu, Mr Zhao	elected 6/3/2016
	Nikias, Mr Kyriaco	elected 6/3/2016
	Wojt, Ms Lucinda	elected 6/3/2016

University Senior Management

Ashman, Professor Peter	commenced 8/6/2016
Bebbington, Professor Warren	
Beynon, Professor John	ceased 30/6/2016
Brooks, Professor Mike	
Burt, Professor Alastair	
Cromar, Professor Nancy	commenced 6/6/2016
Davis, Ms Inga	commenced 28/1/2016
Findlay AM, Professor Christopher	
Grantham, Ms Leah	ceased 1/2/2016
Hill, Professor Robert	
Levy, Professor Phillipa	
Lines, Mr Bruce	
Mitchell, Mr Tony	
Owens, Professor Julie	
Quester, Professor Pascale	
Shaw, Professor Jennie	
Williams, Professor John	commenced 1/1/2016

	2016	2015
	\$000	\$000

29. The University Council Members and Senior Management - continued

(b) Remuneration of the University Council Members and Senior Management

University Council Members

Total remuneration paid to members of Council, or members of its standing committees for the financial year in their role as councillor or members of those committees, is shown below in their relevant bands. Some members of Council are employees of the University or were contractors of the University, and as such receive remuneration in the course of their employment with the University.

\$		\$	Number	Number
NIL			22	25
45,000	-	59,999	1	1
			23	26

The University paid the travel and accommodation costs of some University Council Members to enable attendance at Council meetings during the year. All costs were incurred on normal commercial terms.

University Senior Management

Short-term employee benefits	5,388	5,296
Other long-term benefits	884	891
Termination benefits	101	78
Total senior management personnel compensation	6,373	6,265

\$		\$	Number	Number
175,000	-	189,999	-	2
190,000	-	204,999	2	2
205,000	-	219,999	-	1
220,000	-	234,999	-	1
280,000	-	294,999	2	-
295,000	-	309,999	1	2
310,000	-	324,999	2	-
325,000	-	339,999	1	1
340,000	-	354,999	-	2
355,000	-	369,999	3	-
370,000	-	384,999	-	2
385,000	-	399,999	1	-
475,000	-	489,999	-	1
490,000	-	504,999	-	2
505,000	-	519,999	2	-
535,000	-	549,999	1	-
1,015,000	-	1,029,999	-	1
1,075,000	-	1,089,999	1	-
			16	17

The Department of Education Guidelines specify that senior management personnel are persons having authority and responsibility for planning, directing and controlling the activities of the whole University, directly or indirectly, including any director (whether executive or otherwise) of the University.

Remuneration is based upon the total remuneration package which includes employer and employee (pre tax) superannuation contributions and termination payments, due and receivable, by senior managers from the University while holding a University senior management position. Only senior managers with remuneration in excess of one hundred and thirty thousand have been included in salary bands.

30. Financial Instruments
(a) Interest Rate Risk

The Consolidated Entity has placed its investments in a portfolio managed by independent investment managers. The fund managers may enter into interest rate swaps, futures contracts, interest rate options and other forms of agreements to manage cash flow risks associated with the interest rates on investments that are floating, or to alter interest rate exposures arising from mismatches in repricing dates between assets and liabilities.

The Consolidated Entity has entered into forward start interest rate swaps to manage its interest rate exposures on borrowings for its North Terrace Development Strategy. Further details are contained in Note 9.

	Note	Floating Interest Rate	Fixed Maturity Dates					Non- Interest Bearing	Total
			Less than 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5+ years	
		\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2016									
Financial Assets									
Cash & Cash Equivalents	6	40,072	-	-	-	-	-	-	42,146
Receivables	7	-	-	-	-	-	-	-	28,924
Financial Assets	8	-	-	-	-	-	-	-	291,061
Financial Assets Held to Maturity	8	-	10,000	-	-	-	-	-	10,000
Other Financial Assets	8, 13	-	92	31	-	-	-	-	2,125
Derivative Financial Instruments	9	-	-	-	-	-	-	-	-
		40,072	10,092	31	-	-	-	-	324,061
									374,256
Financial Liabilities									
Derivative Financial Instruments	9	-	-	-	-	-	-	-	13,856
Payables	17	-	-	-	-	-	-	-	93,116
Borrowings	18	-	5,000	5,000	5,000	5,000	5,000	42,500	67,510
		-	5,000	5,000	5,000	5,000	5,000	42,500	106,982
									174,482

30. Financial Instruments - continued

	Note	Floating Interest Rate	Fixed Maturity Dates					Non-Interest Bearing	Total
			Less than 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5+ years	
		\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2015									
Financial Assets									
Cash & Cash Equivalents	6	53,477	-	-	-	-	-	-	53,936
Receivables	7	-	-	-	-	-	-	-	36,820
Financial Assets	8	-	-	-	-	-	-	-	272,665
Financial Assets Held to Maturity	8	-	60,265	-	-	-	-	-	60,265
Other Financial Assets	8, 13	-	92	92	31	-	-	-	2,335
Derivative Financial Instruments	9	-	-	-	-	-	-	-	2
		53,477	60,357	92	31	-	-	-	426,023
Financial Liabilities									
Derivative Financial Instruments	9	-	-	-	-	-	-	-	15,706
Payables	17	-	-	-	-	-	-	-	85,992
Borrowings	18	-	5,000	5,000	5,000	5,000	5,000	26,500	51,510
		-	5,000	5,000	5,000	5,000	5,000	26,500	101,708
									153,208

30. Financial Instruments - continued

(b) Foreign Exchange Risk

The Consolidated Entity has placed its investments in a portfolio managed by independent investment managers. The fund managers may enter into forward foreign currency exchange contracts to hedge overseas fixed interest securities and a portion of overseas equities. The terms of the hedge contracts are usually less than three months.

The Consolidated Entity has entered into foreign currency swaps to manage foreign currency exposures on capital expenditure and library subscriptions. Further details are contained in Note 3(l).

(c) Credit Risk Exposures

Credit risk represents the loss that would be recognised if counterparties fail to perform as contracted.

(i) On Statement of Financial Position financial instruments

The credit risk on financial assets recognised in the Statement of Financial Position is the carrying amount of those assets, net of any allowances for losses.

The credit risk relating to receivables is limited as it consists of a large number of customers across different industries and sectors, including a significant amount owing from Government customers with minimal credit risk. The credit risk relating to cash holdings and investments is limited as the counterparties are banks and investment managers with high credit ratings assigned by international credit-rating agencies.

(ii) Off Statement of Financial Position financial instruments

The reporting entity and its controlled entities do not possess or trade any off Statement of Financial Position financial instruments.

(d) Liquidity Risk

Liquidity risk is managed through maintaining a minimum level of readily accessible funds, by continuously monitoring forecast and actual cash flows, in line with the University's Liquidity Risk Management Policy.

(e) Fair Values of Financial Assets and Financial Liabilities

Fair values of financial assets and financial liabilities are determined by the Consolidated Entity on the following basis:

(i) On Statement of Financial Position financial instruments

The Consolidated Entity has placed its investments in a portfolio managed by independent managers. Listed shares and equities included within these investments are traded in an organised financial market by the fund managers. The Consolidated Entity values these investments at current market value.

Monetary financial assets and financial liabilities not readily traded in an organised financial market are determined by valuing them at amounts due from customers (reduced for expected credit losses) or due to suppliers.

Bank term deposits, accounts receivable, accounts payable and bank loans are carried at nominal value which approximates fair value.

The fair value of investments in unlisted shares in other corporations is determined by reference to the underlying net assets of the respective corporations.

(ii) Off Statement of Financial Position financial instruments

The reporting entity and its controlled entities do not possess or trade any off Statement of Financial Position financial instruments.

31. Fair Value Measurements

(a) Fair value measurements

The fair value of financial assets and financial liabilities must be estimated for recognition and measurement or for disclosure purposes.

Due to the short-term nature of the current receivables, their carrying value approximates their fair value and based on credit history it is expected that the receivables that are neither past due nor impaired will be received when due.

The carrying amounts and aggregate fair values of financial assets and liabilities at the end of the reporting period are:

		Carrying Amount		Fair Value	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
Financial assets					
Cash and cash equivalents	6	42,146	53,936	42,146	53,936
Receivables	7	28,924	36,820	28,924	36,820
Derivative financial instruments	9	-	2	-	2
Investments using the equity method	13	2,002	2,121	2,002	2,121
Other financial assets	8	301,184	333,144	301,184	333,144
Total financial assets		374,256	426,023	374,256	426,023
Financial liabilities					
Payables	17	93,116	85,992	93,116	85,992
Borrowings	18	67,510	51,510	67,510	51,510
Derivative Financial Instruments	9	13,856	15,706	13,856	15,706
Total financial liabilities		174,482	153,208	174,482	153,208

The Consolidated Entity measures and recognises the following assets and liabilities at fair value on a recurring basis:

- Financial assets at fair value through profit or loss
- Investments using the equity method
- Derivative financial instruments
- Other financial assets
- Land and buildings
- Library collection
- Works of art
- Borrowings

The Consolidated Entity has also measured assets and liabilities at fair value on a non-recurring basis as a result of the reclassification of assets as held for sale.

(b) Fair value hierarchy

The Consolidated Entity categorises assets and liabilities measured at fair value into a hierarchy based on the level of inputs used in measurement.

Level 1 - quoted prices (unadjusted) in active markets for identical assets or liabilities

Level 2 - inputs other than quoted prices within level 1 that are observable for the asset or liability either directly or indirectly

Level 3 - inputs for the asset or liability that are not based on observable market data (unobservable inputs)

31. Fair Value Measurements - continued

(i) Recognised fair value measurements

Fair value measurements recognised in the Statement of Financial Position are categorised into the following levels at 31 December 2016.

Fair Value measurements at 31 December 2016		2016	Level 1	Level 2	Level 3
	Note	\$'000	\$'000	\$'000	\$'000
Financial assets					
Financial assets at fair value through profit or loss	8	291,061	270,631	-	20,430
Investments using the equity method	13	2,002	-	-	2,002
Derivative financial instruments	9	-	-	-	-
Other financial assets	8	10,123	10,000	123	-
Total recurring financial assets		303,186	280,631	123	22,432
Non-financial assets					
Library collection	15	17,089	-	-	17,089
Other land and buildings	15	127,062	-	127,062	-
Trust land and buildings	15	953,099	-	-	953,099
Works of art	15	7,799	-	7,799	-
Total recurring non-financial assets		1,105,049	-	134,861	970,188
Non-recurring fair value measurements					
Non-financial assets					
Non-current assets held for sale	12	-	-	-	-
Total non-recurring non-financial assets		-	-	-	-
Financial liabilities					
Borrowings	18	67,510	-	67,510	-
Derivative financial instruments	9	13,856	-	13,856	-
Total liabilities		81,366	-	81,366	-

Fair Value measurements at 31 December 2015

Recurring fair value measurements

	Note	2015	Level 1	Level 2	Level 3
		\$'000	\$'000	\$'000	\$'000
Financial assets					
Financial assets at fair value through profit or loss	8	272,665	255,573	-	17,092
Investments using the equity method	13	2,121	-	-	2,121
Derivative financial instruments	9	2	-	2	-
Other financial assets	8	60,479	60,265	214	-
Total financial assets		335,267	315,838	216	19,213

Non-financial assets

Library collection	15	18,141	-	-	18,141
Other land and buildings	15	118,272	-	118,272	-
Trust land and buildings	15	912,248	-	-	912,248
Works of art	15	7,801	-	7,801	-
Total non-financial assets		1,056,462	-	126,073	930,389

Non-recurring fair value measurements

Non-financial assets

Non-current assets held for sale	12	22,600	-	22,600	-
Total non-recurring non-financial assets		22,600	-	22,600	-

Financial liabilities

Borrowings	18	51,510	-	51,510	-
Derivatives financial instruments	9	15,706	-	15,706	-
Total financial liabilities		67,216	-	67,216	-

31. Fair Value Measurements - continued

There were no transfers between levels 1 and 2 for recurring fair value measurements during the year.

For transfers in and out of level 3 measurements see (d) below.

The Consolidated Entity's policy is to recognise transfers into and transfers out of fair value hierarchy levels as at the end of the reporting period.

(ii) Disclosed fair values

The fair value of assets or liabilities traded in active markets (such as publicly traded derivatives, and trading and available-for-sale securities) is based on quoted market prices for identical assets or liabilities at the end of the reporting period (level 1). This is the most representative of fair value in the circumstances.

The fair values of held-to-maturity investments that are disclosed in note 8 were determined by reference to published price quotations in an active market (level 1).

The carrying value less impairment provision of trade receivables is a reasonable approximation of the fair value due to the short-term nature of trade receivables.

The fair value of non-current borrowings disclosed in note 18 is estimated by discounting the future contractual cash flows at the current market interest rates that are available to the group for similar financial instruments. For the period ending 31 December 2016, the borrowing rates were determined to be between 3% and 4%, depending on the type of borrowing. The fair value of current borrowings approximates the carrying amount, as the impact of discounting is not significant (level 2).

(c) Valuation techniques used to derive level 2 and level 3 fair values

(i) Recurring fair value measurements

The fair value of financial instruments that are not traded in an active market (for example, over-the-counter derivatives) is determined using valuation techniques. These valuation techniques maximise the use of observable market data where it is available and rely as little as possible on entity specific estimates. If all significant inputs required to fair value an instrument are observable, the instrument is included in level 2.

If one or more of the significant inputs is not based on observable market data, the instrument is included in level 3. This is the case for unlisted equity securities and investments using the equity method.

The Consolidated Entity uses a variety of methods and makes assumptions that are based on market conditions existing at the end of the reporting period.

Specific valuation techniques used to value financial instruments include:

- The fair value of interest rate swaps is calculated as the present value of the estimated future cash flows based on observable yield curves
- The fair value of forward foreign exchange contracts is determined using forward exchange rates at the end of the reporting period

All of the resulting fair value estimates are included in level 2 except for unlisted equity securities and investments using the equity method explained in (d) below.

(ii) Non-recurring fair value measurements

Non-current assets classified as held for sale during the reporting period were measured at the lower of their carrying amount and fair value less costs to sell at the time of reclassification. The fair value of the land and buildings was determined using the sales comparison approach.

31. Fair Value Measurements - continued

(d) Fair value measurements using significant unobservable inputs (level 3)

The following table is a reconciliation of level 3 items for the period ended 31 December 2016 and 2015:

Level 3 Fair Value Measurements 2016

	Trust Land and Buildings \$'000	Investments Using the Equity Method \$'000	Unlisted Equity Securities \$'000	Library Collection \$'000	Total \$'000
Opening balance	912,248	2,121	17,092	18,141	949,602
Acquisitions	18,032	-	-	628	18,660
Disposals	-	-	-	(1,023)	(1,023)
Recognised in Net operating result	(21,785)	-	3,338	(2,194)	(20,641)
Recognised in other comprehensive income	44,604	(119)	-	1,537	46,022
Closing balance	953,099	2,002	20,430	17,089	992,620

Level 3 Fair Value Measurements 2015

Opening balance	906,576	1,988	9,132	19,880	937,576
Acquisitions	27,512	481	-	876	28,869
Disposals	-	-	-	(436)	(436)
Recognised in Net operating result	(21,840)	-	7,960	(2,179)	(16,059)
Recognised in other comprehensive income	-	(348)	-	-	(348)
Closing balance	912,248	2,121	17,092	18,141	949,602

(i) Transfers between levels 2 and 3 and changes in valuation techniques

There were no transfers between levels 2 and 3 during the year. There were no changes in valuation techniques during the year.

31. Fair Value Measurements - continued

(ii) Valuation inputs and relationships to fair value

The following table summarises the quantitative information about the significant unobservable inputs used in level 3 fair value measurements. See (c) above for the valuation techniques adopted.

Description	Fair value at 31 Dec 2016 \$'000	Un- observable inputs	Range of inputs (probability weighted average)	Relationship of unobservable inputs to fair value
Investments using the equity method	2,002	Earnings growth factor	2.0% - 3.0% (2.5%)	Increased earnings growth factor of 1% would increase fair value by \$20,000; lower growth factor of 1% would decrease fair value by \$20,000.
Unlisted Equity Securities	20,430	Earnings growth factor	2.0% - 3.0% (2.5%)	Increased earnings growth factor of 1% would increase fair value by \$204,000; lower growth factor of 1% would decrease fair value by \$204,000.
Library Collection	17,089	Price of bound books	3.0% - 4.0% (3.5%)	The higher the price of bound books, the higher the fair value, with a 1% increase increasing the library collection value by \$170,000. A decrease of 1% will decrease the fair value by \$170,000.

(iii) Valuation processes

The Finance and Procurement Branch of the Consolidated Entity includes a team that performs the valuations of non-property items required for financial reporting purposes, including level 3 fair values. This team reports directly to the Chief Financial Officer (CFO).

The Consolidated Entity engages external, independent and qualified valuers to determine the fair value of the other land and buildings at least every three years. As at 31 December 2016, the fair values of the land and buildings were determined by AssetVal Pty Ltd.

Trust buildings have been valued using the depreciated replacement cost (DRC) method, where DRC is defined as the current replacement cost of an asset less accumulated depreciation calculated on the basis of the already consumed or expired service potential / estimated remaining useful life of the asset.

Land and other buildings have been valued using the direct comparison approach, which determines the current value of an asset by reference to recent comparable transactions involving the sale of similar assets. Adjustments are subsequently made for specific attributes including, but not limited to, size, topography, zoning and restrictions of use for Trust land to determine the value of the subject property.

32. Investments in Controlled Entities

The consolidated financial statements incorporate the assets, liabilities and results of the following controlled entities in accordance with the accounting policy described in Note 3(b).

Controlled Entity	Holding		Investment at Fair Value		Investment at Cost		Contribution to Operating Result	
	2016	2015	2016	2015	2016	2015	2016	2015
	%	%	\$000	\$000	\$000	\$000	\$000	\$000
The Adelaide Research & Innovation Investment Trust	100	100	514	316	-	-	514	161
ACN 008 123 466 Pty Ltd	100	-	73	-	50	-	(46)	-
Adelaide Unicare Pty Ltd	100	100	11,922	9,745	-	-	775	(370)
Martindale Holdings Pty Ltd as trustee for:								
· JS Davies Estate	83	83	-	-	-	-	(1)	(1)
· JAT Mortlock Trust	-	100	-	-	-	-	-	93
· Roseworthy Farm	100	100	1,807	1,694	-	-	323	295
National Wine Centre Pty Ltd	100	100	766	1,136	-	-	(333)	36
Roseworthy Piggery Pty Ltd	100	100	317	125	100	100	192	(153)
The Women's and Children's Health Research Institute	100	100	7,503	9,350	-	-	202	(200)
			22,902	22,366	150	100	1,626	(139)

All of the above controlled entities are incorporated in Australia.

Controlled Entity	Principal Activities
The Adelaide Research & Innovation Investment Trust	The University commercial arm that connects the community with a network of University of Adelaide researchers for purpose of research, development and innovation. The connection extends to commercialisation of the research developed.
ACN 008 123 466 Pty Ltd	Non-operating entity previously Repromed Pty Ltd. Shares transferred to the University during 2016 from The Adelaide Research & Innovation Investment Trust.
Adelaide Unicare Pty Ltd	Manages the activities and operations of medical practices to provide placements for the teaching of medical students from the University of Adelaide. The practices provide quality general medical care to students, staff and the public.
Martindale Holdings Pty Ltd as trustee for:	Trustee Company for the following:
· JS Davies Estate	Established to operate farming properties that were bequeathed to the University of Adelaide and Prince Alfred College. This venture is no longer operating.
· JAT Mortlock Trust	Established to operate farming properties that were bequeathed to the University of Adelaide. This Trust vested on 8 July 2016.
· Roseworthy Farm	Manages the broadacre farm operations at the University Roseworthy Campus.
National Wine Centre Pty Ltd	Operates the National Wine Centre complex undertaking banquets, events, conference space & wine tourism, and other catering operations as directed by the University of Adelaide.
Roseworthy Piggery Pty Ltd	Established to manage the piggery located on the Roseworthy Campus. The Piggery provides a source of pigs for research and supports the Veterinary School teaching.
The Women's and Children's Health Research Institute	Medical research institute investing in research towards improving the health of women and children, focussed on maternal and child nutrition, diseases of the blood and immune system and the development and repair of the digestive system, skull and skin.

33. Investments in Associates

(a) Equity and Contribution to Operating Result

Associate	Principal Activity	Holding		Consolidated Carrying Amount		Investment at Cost	
		2016	2015	2016	2015	2016	2015
		%	%	\$000	\$000	\$000	\$000
Held by the University							
Australian Centre for Plant Functional Genomics Pty Ltd	Responsible for the development of world-class capability in plant genomic research and its application for economic and social benefit to Australia.	45	45	231	452	-	-
SNAP Network Surveillance Pty Ltd	Production of software to simplify operation of large-scale video surveillance.	32	32	-	-	-	-
				231	452	-	-

The University has a 25% interest in an incorporated associate, SABRENet Ltd, which has been established to further the use of advanced data networking, for the conduct of research and education in South Australia. SABRENet Ltd is not accounted for using the equity method as the University does not have access to the residual assets of the entity.

The Australian Centre for Plant Functional Genomics Pty Ltd has a 31 December reporting period. SNAP Network Surveillance Pty Ltd has a 30 June reporting period.

(b) Movements in Carrying Amounts of Investments in Associates

At beginning of financial year
Share of operating result

Consolidated		University	
2016 \$000	2015 \$000	2016 \$000	2015 \$000
452	393	-	-
(221)	59	-	-
231	452	-	-

(c) Results Attributed to Associates

Operating result
Retained surplus attributable to associates at the beginning of the financial year
Retained surplus attributable to associates at the end of the financial year

(221)	59	-	-
452	393	-	-
231	452	-	-

(d) Accounting for Associates

(i) Capital and other expenditure commitments

There are no material capital and other expenditure commitments relating to associates.

(ii) Contingent liabilities

There are no material contingent liabilities relating to associates.

(iii) Post balance date events

There are no material post balance date events to report for associates.

(iv) Assets, liabilities, revenue and expenditure

Since the above activities do not materially affect the Consolidated Entity figures, assets, liabilities, revenue and expenditure have been reported as net amounts.

(v) Off Statement of Financial Position financial instruments

Neither the Consolidated Entity, nor any of its associates, have any off Statement of Financial Position financial instruments.

34. Interests in Cooperative Research Centres (CRCs)

A CRC is a research initiative of the Australian Government established to pursue specific areas of research. One of the desired outcomes of a CRC is the creation of specific intellectual property with commercial value. The participants in CRCs are an amalgam of research institutions, eg CSIRO, government agencies, universities and private enterprise. The funding of the CRC is co-ordinated through either a Company formed by the core participants or by a Centre Agent who is appointed generally from one of the participating entities.

Funding transfers between the CRC and the University are accounted for as general revenue and expenditure.

			Participation
Energy Pipelines CRC	(I)	-	14%
Deep Exploration Technologies CRC	(I)	(C)	10%
CRC for High Integrity Australian Pork	(I)	-	11%
Plant Biosecurity CRC	(I)	(C)	1%
Invasive Animals CRC	(U)	(C)	1%
Bushfire and Natural Hazards CRC	(I)	-	6%
Data to Decisions CRC	(I)	-	11%
CRC Optimising Resource Extraction	(I)	(C)	3%

(I) Incorporated

(U) Unincorporated

(C) CSIRO is a partner

The University was a supporting participant for the Poultry CRC, the Innovative Manufacturing CRC, the CRC for Water Sensitive Cities and CRC for Sheep Industry Innovation. The CRC for Greenhouse Gas Technologies ceased trading during 2015.

The University over the next five years will make both cash and in-kind contributions to support the work of the CRCs. The University has committed to participate in the work of these CRCs, with contributions in constant dollars, \$1.4 million in cash (2015: \$1.3 million) and \$15.4 million in-kind (2015: \$14.2 million).

35. Interests in Joint Ventures

(a) Joint Ventures Accounted for Using the Equity Method

Name	Principal Activity	Participation
Ngee Ann Adelaide Education Centre Pte Ltd	Operates a graduate education centre in Singapore	(I) 50%
Middleback Field Centre	To provide pastoral-zone courses and range land ecology research programmes.	(U) 33%
Professional Certificate in Arbitration	To develop and deliver tertiary courses in arbitration.	(U) 50%
South Australian Tertiary Admissions Centre	Established as the agent for tertiary institutions in Adelaide for the purpose of receiving and processing applications from intending students.	(U) 25%
Adelaide Proteomics Centre (APC)	Provision of cost effective and high quality proteomic analysis to researchers conducting basic and applied research.	(U) 50%
Mining Education Australia	Provision of a collaborative national mining education program for the benefit of mining engineering students.	(U) 25%

(I) Incorporated

(U) Unincorporated

All joint ventures have a 31 December reporting period.

Agreement has been reached between the joint venture partners of Ngee Ann Adelaide Education Centre during 2016 to reduce the joint venture operations during 2017.

35. Interests in Joint Ventures - continued

Ngee Ann Education Centre Pte Ltd is incorporated in Singapore. All other incorporated joint ventures are incorporated in Australia.

The Consolidated Entity's reported interest in the assets employed in the joint ventures totals \$1.8 million (2015: \$1.7 million). These are included in the Consolidated Statement of Financial Position, in accordance with the accounting policy described in note 3(n).

(b) Equity and Contribution to Operating Result

Joint Venture	Holding		Carrying Amount		Investment at Cost	
	2016 %	2015 %	2016 \$000	2015 \$000	2016 \$000	2015 \$000
Held by the University						
Ngee Ann Adelaide Education Centre Pte Ltd	50%	50%	732	635	937	937
Middleback Field Centre	33%	33%	8	8	-	-
Professional Certificate in Arbitration	50%	50%	73	24	35	35
South Australian Tertiary Admissions Centre	25%	25%	689	716	-	-
Adelaide Proteomics Centre (APC)	50%	50%	23	40	-	-
Mining Education Australia	25%	25%	246	246	-	-
			1,771	1,669	972	972
			Consolidated		University	
			2016	2015	2016	2015
			\$000	\$000	\$000	\$000

(c) Movements in Carrying Amounts of Joint Ventures

At beginning of financial year	1,669	1,595	-	-
Share of operating result	102	(407)	-	-
Additional investment in joint ventures	-	481	-	-
	1,771	1,669	-	-

(d) Results Attributed to Joint Ventures

Operating result	102	(407)	-	-
Additional investment in joint ventures	-	481	-	-
Retained surplus attributable at the beginning of the financial year	1,669	1,595	-	-
Retained surplus attributable at the end of the financial year	1,771	1,669	-	-

(e) Accounting for Joint Ventures

(i) Capital and other expenditure commitments

There are no material capital and other expenditure commitments relating to joint ventures.

(ii) Contingent liabilities

There are no known material contingent liabilities relating to joint ventures.

(iii) Post balance date events

There are no material post balance date events to report for joint ventures.

(iv) Assets, liabilities, revenue and expenditure

Since the above activities do not materially affect the University group figures, assets, liabilities, revenue and expenditure have been reported as net amounts.

(v) Off Statement of Financial Position financial instruments

Neither the reporting entity, nor any of its joint ventures, have any off Statement of Financial Position financial instruments.

36. Related Parties

(a) Parent entity

The ultimate parent entity within the group is the University of Adelaide.

(b) Controlled entities, joint arrangements and associates

Investments in controlled entities are detailed in Note 32, investments in associates are detailed in Note 33 and interests in joint arrangements are detailed in Note 35.

(c) Council members and senior management

Disclosures relating to the University Council Members and Senior Management are detailed in Note 29.

(d) Councillor related transactions

Certain Councillors are members of incorporated and unincorporated associations that are an integral part of the University. Transactions between these bodies, the University and Council members, in respect of services provided to Council members, are trivial in nature.

Certain Council members hold positions and interests in entities that provide goods and services to the University and its subsidiaries. The provision of these goods and services is on normal trading terms.

(e) Students at The University of Adelaide

From time to time, Council members will have members of their immediate family who are students at the University. Unless specifically stated within the financial statements, such students are subject to the same fee structure and scholarships as any other students. This also applies to members of Council who are enrolled as students.

The following information being Note 37 to Note 42 has been prepared in accordance with the Department of Education reporting guidelines.

37. Income Statement for the Year Ended 31 December 2016

		Consolidated		University	
		2016	2015	2016	2015
	Note	\$000	\$000	\$000	\$000
REVENUE FROM CONTINUING OPERATIONS					
Australian Government financial assistance	38(f)	505,776	500,406	505,776	500,406
State and Local Government financial assistance	40	24,574	24,292	24,096	23,815
HECS-HELP - Student Payments	4	12,587	13,001	12,587	13,001
Fees and charges	41	226,582	208,553	226,450	207,961
Investment income		24,958	24,121	24,269	24,979
Royalties, trademarks and licenses	4	3,874	4,669	1,290	2,256
Consultancy and contracts	42	83,547	95,476	58,983	61,246
Reversal of impairment of other buildings	4	4,843	1,033	3,632	1,033
Net gain on disposal of assets	4	1,295	7,247	1,336	7,270
Other revenue		59,246	57,799	36,105	32,080
Total revenue from continuing operations		947,282	936,597	894,524	874,047
EXPENSES FROM CONTINUING OPERATIONS					
Salaries and related expenses	5	497,611	486,767	486,152	470,708
Depreciation and amortisation	5	49,825	49,214	49,294	48,529
Buildings and grounds	5	62,802	63,789	61,930	62,563
Bad and doubtful debts	5	615	162	615	162
Finance costs	5	5,896	5,168	5,224	5,273
Scholarships, grants and prizes		41,152	42,952	41,152	42,952
Non-capitalised equipment	5	9,736	10,697	9,736	10,697
Advertising, marketing and promotional expenses		5,128	4,736	4,890	4,449
Impairment loss on non-current assets held for sale	5	-	79	-	79
Other expenses		213,609	221,419	175,294	174,281
Total expenses from continuing operations		886,374	884,983	834,287	819,693
Net operating result for the year		60,908	51,614	60,237	54,354

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
38. Australian Government Financial Assistance					
(a) Education - Commonwealth Grants Scheme and Other Education Grants					
Commonwealth Grants Scheme		175,544	166,431	175,544	166,431
Teaching Hospitals Grant		1,165	1,099	1,165	1,099
Indigenous Support Program		647	585	647	585
Higher Education Participation Program		3,227	6,231	3,227	6,231
Disability Support Program		39	37	39	37
Promotion of Excellence in Learning & Teaching Program		589	40	589	40
		181,211	174,423	181,211	174,423
(b) Higher Education Loan Programmes					
HECS-HELP		103,801	101,724	103,801	101,724
FEE-HELP		11,700	10,556	11,700	10,556
SA-HELP		3,217	3,155	3,217	3,155
		118,718	115,435	118,718	115,435
(c) Learning Scholarships					
Australian Postgraduate Awards		12,260	12,175	12,260	12,175
International Postgraduate Research Scholarships		974	974	974	974
Commonwealth Education Costs Scholarships		237	131	237	131
Commonwealth Accommodation Scholarships		218	74	218	74
Indigenous Access Scholarships		162	96	162	96
		13,851	13,450	13,851	13,450
(d) Education Research					
Joint Research Engagement Program		16,299	15,967	16,299	15,967
JRE Engineering Cadetships		266	252	266	252
Research Training Scheme		32,354	32,000	32,354	32,000
Research Infrastructure Block Grants		13,497	14,179	13,497	14,179
Sustainable Research Excellence in Universities		11,647	10,062	11,647	10,062
		74,063	72,460	74,063	72,460
(e) Australian Research Council					
(i) Discovery					
Projects		9,304	11,337	9,304	11,337
Fellowships		10,443	10,919	10,443	10,919
Indigenous Researchers Development		233	-	233	-
		19,980	22,256	19,980	22,256
(ii) Linkages					
Infrastructure		1,290	1,340	1,290	1,340
Projects		3,357	4,204	3,357	4,204
Industrial Transformation Research Program		2,236	2,325	2,236	2,325
		6,883	7,869	6,883	7,869
(iii) Networks and Centres					
Centres		6,717	6,605	6,717	6,605
		6,717	6,605	6,717	6,605
Total ARC		33,580	36,730	33,580	36,730

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
38. Australian Government Financial Assistance - continued					
(f) Other Australian Government financial assistance received:					
Non-Capital					
Attorney General's Department		715	925	715	925
Australian Centre for International Agricultural Research		4,124	3,398	4,124	3,398
Australian Institute of Health and Welfare		-	464	-	464
Australian Renewable Energy Agency		1,425	1,364	1,425	1,364
CSIRO		773	1,213	773	1,213
Defence, Science and Technology Organisation		5,154	3,687	5,154	3,687
Department of Agriculture		3,858	4,829	3,858	4,829
Department of Defence		472	424	472	424
Department of Education		10,426	8,741	10,426	8,741
Department of the Environment and Energy		566	1,046	566	1,046
Department of Foreign Affairs and Trade		614	1,488	614	1,488
Department of Health		10,932	12,576	10,932	12,576
Department of the Prime Minister and Cabinet		280	-	280	-
Department of Industry, Innovation and Science		582	717	582	717
Department of Veterans' Affairs		509	1,036	509	1,036
Grains Research & Development Corporation		11,804	13,454	11,804	13,454
National Health & Medical Research Council		31,729	32,056	31,729	32,056
Other		390	490	390	490
		84,353	87,908	84,353	87,908
Reconciliation					
Australian Government grants		387,058	384,971	387,058	384,971
Higher Education Loan Programmes		118,718	115,435	118,718	115,435
		505,776	500,406	505,776	500,406
(g) Australian Government grants received - cash basis					
CGS and Other Education Grants		182,259	173,562	182,259	173,562
Higher Education Loan Programmes		119,533	115,871	119,533	115,871
Scholarships		13,851	13,450	13,851	13,450
Education Research		74,063	72,460	74,063	72,460
ARC Grants - Discovery		19,980	22,256	19,980	22,256
ARC Grants - Linkages		6,883	7,869	6,883	7,869
ARC Grants - Networks and Centres		6,717	6,605	6,717	6,605
Other Australian Government Grants		81,115	89,053	81,115	88,120
		504,401	501,126	504,401	500,193
OS-Help (Net)	39(f)	470	1,015	470	1,015
Higher Education Superannuation	39(f)	3,992	4,029	3,992	4,029
		508,863	506,170	508,863	505,237

39. Acquittal of Australian Government Financial Assistance

(a) Education - Commonwealth Grants Scheme and Other Education Grants Parent Entity (University) Only

	Notes	Commonwealth Grants Scheme		Teaching Hospitals Grant		Indigenous Support Program		Higher Education Participation Program		Disability Support Program	
		2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000
Financial assistance received in cash during the reporting period	38(a)	176,592	165,570	1,165	1,099			3,227	6,231	39	37
Net accrual adjustments		(1,048)	861	-	-	647	585	-	-	-	-
Revenue for the period		175,544	166,431	1,165	1,099	647	585	3,227	6,231	39	37
Surplus/(Deficit) from the previous year		-	-	-	-	-	-	1,710	317	49	43
Total revenue including accrued revenue		175,544	166,431	1,165	1,099	647	585	4,937	6,548	88	80
Less expenses including accrued expenses		175,544	166,431	1,165	1,099	647	585	3,119	4,838	88	31
Surplus/(Deficit) for the reporting period		-	-	-	-	-	-	1,818	1,710	-	49

39. Acquittal of Australian Government Financial Assistance - continued

(a) Education - Commonwealth Grants Scheme and Other Education Grants Parent Entity (University) Only

	Notes	Promotion of Excellence in Learning & Teaching Program		Reward Funding Program		Total	
		2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000
Financial assistance received in cash during the reporting period		589	40	-	-	182,259	173,562
Net accrual adjustments		-	-	-	-	(1,048)	861
Revenue for the period	38(a)	589	40	-	-	181,211	174,423
Surplus/(Deficit) from the previous year		173	457	463	463	2,395	1,280
Total revenue including accrued revenue		762	497	463	463	183,606	175,703
Less expenses including accrued expenses		160	324	-	-	180,723	173,308
Surplus/(Deficit) for the reporting period		602	173	463	463	2,883	2,395

39. Acquittal of Australian Government Financial Assistance - continued

(b) Higher Education Loan Programmes

Parent Entity (University) Only

	Notes	HECS-HELP		FEE-HELP		SA-HELP		Total	
		2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000
Cash Payable/(Receivable) at beginning of year		1,097	111	(14)	(130)	(545)	121	538	102
Financial assistance received in cash during the reporting period		104,118	102,710	11,656	10,672	3,759	2,489	119,533	115,871
Cash available for period		105,215	102,821	11,642	10,542	3,214	2,610	120,071	115,973
Revenue earned	38(b)	103,801	101,724	11,700	10,556	3,217	3,155	118,718	115,435
Cash Payable/(Receivable) at end of year		1,414	1,097	(58)	(14)	(3)	(545)	1,353	538

39. Acquittal of Australian Government Financial Assistance - continued

(c) Learning Scholarships

Parent Entity (University) Only

	International																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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39. Acquittal of Australian Government Financial Assistance - continued

(d) Education Research Parent Entity (University) Only

	Notes	Joint Research Engagement		JRE Engineering Cadetships		Research Training Scheme		Research Infrastructure Block Grants	
		2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000
Financial assistance received in cash during the reporting period	38(d)	16,299	15,967	266	252	32,354	32,000	13,497	14,179
Net accrual adjustments		-	-	-	-	-	-	-	-
Revenue for the period		16,299	15,967	266	252	32,354	32,000	13,497	14,179
Surplus/(Deficit) from the previous year		-	-	349	165	-	-	-	-
Total revenue including accrued revenue		16,299	15,967	615	417	32,354	32,000	13,497	14,179
Less expenses including accrued expenses		16,299	15,967	19	68	32,354	32,000	13,497	14,179
Surplus/(Deficit) for the reporting period		-	-	596	349	-	-	-	-

39. Acquittal of Australian Government Financial Assistance - continued

(d) Education Research

Parent Entity (University) Only

	Notes	Sustainable Research Excellence				Commercialisation Training Scheme				Total	
		2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000
Financial assistance received in cash during the reporting period	38(d)	11,647	10,062	-	-	-	-	74,063	-	74,063	72,460
Net accrual adjustments		-	-	-	-	-	-	-	-	-	-
Revenue for the period		11,647	10,062	-	-	-	-	74,063	-	74,063	72,460
Surplus/(Deficit) from the previous year		-	-	-	-	-	-	349	-	349	165
Total revenue including accrued revenue		11,647	10,062	-	-	-	-	74,412	-	74,412	72,625
Less expenses including accrued expenses		11,647	10,062	-	-	-	-	73,816	-	73,816	72,276
Surplus/(Deficit) for the reporting period		-	-	-	-	-	-	596	-	596	349

39. Acquittal of Australian Government Financial Assistance - continued

(e) Australian Research Council Grants - Discovery		Parent Entity (University) Only									
	Notes	Projects		Fellowships		Indigenous Researchers Development		Total			
		2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000	2016 \$000	2015 \$000		
Financial assistance received in cash during the reporting period	38(e)	9,304	11,337	10,443	10,919	233	-	19,980	22,256		
Net accrual adjustments		-	-	-	-	-	-	-	-		
Revenue for the period		9,304	11,337	10,443	10,919	233	-	19,980	22,256		
Surplus/(Deficit) from the previous year		8,296	9,245	8,460	9,384	-	19	16,756	18,648		
Total revenue including accrued revenue		17,600	20,582	18,903	20,303	233	19	36,736	40,904		
Less expenses including accrued expenses		9,572	12,286	10,404	11,843	138	19	20,114	24,148		
Surplus/(Deficit) for the reporting period		8,028	8,296	8,499	8,460	95	-	16,622	16,756		

39. Acquitment of Australian Government Financial Assistance - continued

(e) Australian Research Council Grants - Linkages

	Notes	Infrastructure				Projects				Research Program				Total	
		2016		2015	2016		2015	2016		2015	2016		2015	2016	
		\$000		\$000	\$000		\$000	\$000	\$000		\$000	\$000	\$000		\$000
Financial assistance received in cash during the reporting period	38(e)	1,290		1,340	3,357		4,204		2,236		2,325		6,883		7,869
Net accrual adjustments		-		-	-		-		-		-		-		-
Revenue for the period		1,290		1,340	3,357		4,204		2,236		2,325		6,883		7,869
Surplus/(Deficit) from the previous year		358		1,394	3,011		2,902		3,539		3,351		6,908		7,647
Total revenue including accrued revenue		1,648		2,734	6,368		7,106		5,775		5,676		13,791		15,516
Less expenses including accrued expenses		1,220		2,376	3,524		4,095		2,232		2,137		6,976		8,608
Surplus/(Deficit) for the reporting period		428		358	2,844		3,011		3,543		3,539		6,815		6,908

39. Acquittal of Australian Government Financial Assistance - continued

(e) Australian Research Council Grants - Networks and Centres

Parent Entity (University) Only

	Notes	Centres		Total	
		2016 \$000	2015 \$000	2016 \$000	2015 \$000
Financial assistance received in cash during the reporting period	38(e)	6,717	6,605	6,717	6,605
Net accrual adjustments		-	-	-	-
Revenue for the period		6,717	6,605	6,717	6,605
Surplus/(Deficit) from the previous year		1,559	2,117	1,559	2,117
Total revenue including accrued revenue		8,276	8,722	8,276	8,722
Less expenses including accrued expenses		7,062	7,163	7,062	7,163
Surplus/(Deficit) for the reporting period		1,214	1,559	1,214	1,559

39. Acquittal of Australian Government Financial Assistance - continued

(f) Other Australian Government Financial Assistance

Parent Entity (University) Only

OS HELP			
	Notes	2016 \$000	2015 \$000
Cash received during the reporting period	38(g)	6,597	6,734
Cash spent during the reporting period		6,127	5,719
Net Cash received		470	1,015
Surplus/(Deficit) from the previous year		1,305	290
Surplus/(Deficit) for the reporting period		1,775	1,305

Higher Education Superannuation			
	Notes	2016 \$000	2015 \$000
Cash received during the reporting period	38(g)	3,992	4,029
University contribution in respect of current employees		-	-
Cash available		3,992	4,029
Surplus/(Deficit) from the previous year		351	248
Cash available for current period		4,343	4,277
Contributions to specified defined benefit funds		3,719	3,926
Surplus/(Deficit) for the reporting period		624	351

Student Services and Amenities Fee			
	Notes	2016 \$000	2015 \$000
Unspent/(overspent) revenue from previous period	38(b)	3,791	2,271
SA-HELP Revenue earned		3,217	3,155
Student Services Fees direct from Students	41	3,059	2,848
Total revenue expendable in period		10,067	8,274
Student Services expenses during period		5,083	4,483
Unspent/(overspent) Student Services Revenue		4,984	3,791

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
40. State and Local Government Financial Assistance					
(a) South Australian Government and Local Government financial assistance					
Central Adelaide Local Health Network		7,573	7,664	7,573	7,664
Department of Treasury and Finance		266	11	266	11
Department of Health and Ageing		3,610	3,698	3,610	3,698
Department for Environment, Water and Natural Resources		1,770	1,642	1,770	1,642
Department for Planning, Transport and Infrastructure		778	762	778	762
Department of Primary Industries and Regions		1,393	1,862	1,393	1,862
Department of State Development		3,424	4,693	3,424	4,693
Department of the Premier and Cabinet		988	175	988	175
Forensic Science SA		242	164	242	164
Motor Accident Commission		746	705	746	705
Northern Adelaide Local Health Network		1,065	699	1,065	699
SafeWork SA		238	310	238	310
Southern Adelaide Local Health Network		-	442	-	-
Southern Yorke Peninsula Health Service		478	-	-	-
Other		607	728	607	693
Total South Australian Government and Local Government financial assistance		23,178	23,555	22,700	23,078
(b) Other State Government and Local Government financial assistance					
		1,396	737	1,396	737
Total State and Local Government financial assistance		24,574	24,292	24,096	23,815

	Note	Consolidated		University	
		2016	2015	2016	2015
		\$000	\$000	\$000	\$000
41. Fees and Charges					
Course fees and charges					
Student fee income	4	198,448	180,655	198,448	180,655
Non-course fees and charges					
Student services and amenities fees	4	3,059	2,848	3,059	2,848
Library charges and fines	4	293	422	293	422
Application management and late fees	4	1,813	1,352	1,813	1,352
Parking fees	4	2,175	1,908	2,175	1,908
Rental charges/accommodation fees	4	11,641	11,966	11,509	11,599
Recharge of costs to other organisations	4	319	740	319	515
Franchise fees	4	2,945	2,258	2,945	2,258
Other		5,889	6,404	5,889	6,404
		226,582	208,553	226,450	207,961
42. Consultancy and Contract Revenue					
Consultancy	4	9,692	10,980	7,283	7,529
Contract research		73,855	84,496	51,700	53,717
		83,547	95,476	58,983	61,246





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