Architecture
Acknowledgments

The Arms of the University

Sidere mens eadem mutato
Though the constellation may change
the spirit remains the same.

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Disclaimer
The information in this handbook was as accurate as possible at the
time of printing. The University reserves the right to make changes to
the information in this handbook, including prerequisites for units of
study, as appropriate. Students should check with faculties for current,
detailed information regarding units of study.

All updates to the information in this handbook can be found at

Disability
Accessible versions of this document in Microsoft Word are available

Resolutions
Numbering of Faculty Resolutions is for convenience only and does
not affect the interpretation of the Faculty Resolutions, unless the
context otherwise requires.

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For any enquiries relating to the handbook, please email the publisher
at handbooks@publications.com.au

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For the latest updates, visit Handbooks online.
http://www.usyd.edu.au/handbooks
University semester and vacation dates for 2007

<table>
<thead>
<tr>
<th>Summer School lectures</th>
<th>Dates</th>
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<tbody>
<tr>
<td>December program</td>
<td>Monday 11 December to Friday 28 February</td>
</tr>
<tr>
<td>Main program</td>
<td>Thursday 4 January to Friday 28 February</td>
</tr>
<tr>
<td>Late January program</td>
<td>Friday 12 January to Friday 28 February</td>
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<table>
<thead>
<tr>
<th>Winter School lectures</th>
<th>Dates</th>
</tr>
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<tbody>
<tr>
<td>For the latest dates please refer to <a href="http://www.summer.usyd.edu.au/winter/">http://www.summer.usyd.edu.au/winter/</a></td>
<td></td>
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<table>
<thead>
<tr>
<th>Semester One</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>International student orientation (Semester One)</td>
<td>Monday 12 February to Thursday 15 February</td>
</tr>
<tr>
<td>Lectures begin</td>
<td>Monday 5 March</td>
</tr>
<tr>
<td>AVCC Common Week/non-teaching Easter period</td>
<td>Friday 6 April to Friday 13 April</td>
</tr>
<tr>
<td>International Application Deadline (Semester Two) *</td>
<td>Monday 30 April</td>
</tr>
<tr>
<td>Last day of lectures</td>
<td>Friday 8 June</td>
</tr>
<tr>
<td>Study vacation</td>
<td>Monday 11 June to Friday 15 June</td>
</tr>
<tr>
<td>Examination period</td>
<td>Monday 16 June to Saturday 30 June</td>
</tr>
<tr>
<td>Semester ends</td>
<td>Saturday 30 June</td>
</tr>
<tr>
<td>AVCC Common Week/non-teaching period</td>
<td>Monday 2 July to Friday 6 July</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Semester Two</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>International student orientation (Semester Two)</td>
<td>Monday 16 July to Thursday 19 July</td>
</tr>
<tr>
<td>Lectures begin</td>
<td>Monday 23 July</td>
</tr>
<tr>
<td>AVCC Common Week/non-teaching period</td>
<td>Monday 24 September to Friday 28 September</td>
</tr>
<tr>
<td>International application deadline (Semester One 2008)*</td>
<td>Wednesday 31 October*</td>
</tr>
<tr>
<td>Last day of lectures</td>
<td>Friday 26 October</td>
</tr>
<tr>
<td>Study vacation</td>
<td>Monday 29 October to Friday 2 November</td>
</tr>
<tr>
<td>Examination period</td>
<td>Monday 5 November to Saturday 17 November</td>
</tr>
<tr>
<td>Semester ends</td>
<td>Saturday 17 November</td>
</tr>
</tbody>
</table>

*Deadlines for application to the USydMP and BDent are different. Please see: www.acer.edu.au/tests/universit/gamsat

Last dates for withdrawal or discontinuation for 2007

<table>
<thead>
<tr>
<th>Semester One units of study</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Last day to add a unit</td>
<td>Friday 16 March</td>
</tr>
<tr>
<td>Last day for withdrawal</td>
<td>Saturday 31 March</td>
</tr>
<tr>
<td>Last day to discontinue without failure (DNF)</td>
<td>Friday 27 April</td>
</tr>
<tr>
<td>Last to discontinue (Discontinued – Fail)</td>
<td>Friday 8 June</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester Two units of study</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day to add a unit</td>
<td>Friday 3 August</td>
</tr>
<tr>
<td>Last day for withdrawal</td>
<td>Friday 31 August</td>
</tr>
<tr>
<td>Last day to discontinue without failure (DNF)</td>
<td>Friday 7 September</td>
</tr>
<tr>
<td>Last day to discontinue (Discontinued – Fail)</td>
<td>Friday 26 October</td>
</tr>
<tr>
<td>Last day to withdraw from a non-standard unit of study</td>
<td>Census date of the unit, which must not be earlier than 20 per cent of the way through the period of time during which the unit is undertaken</td>
</tr>
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Public holidays | Dates |
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<tbody>
<tr>
<td>Australia Day</td>
<td>Friday 26 January</td>
</tr>
<tr>
<td>Good Friday</td>
<td>Friday 6 April</td>
</tr>
<tr>
<td>Easter Monday</td>
<td>Monday 9 April</td>
</tr>
<tr>
<td>Anzac Day</td>
<td>Wednesday 25 April</td>
</tr>
<tr>
<td>Queen's Birthday</td>
<td>Monday 11 June</td>
</tr>
<tr>
<td>Labour Day</td>
<td>Monday 1 October</td>
</tr>
</tbody>
</table>

For the latest updates, visit Handbooks online. http://www.usyd.edu.au/handbooks
What is a handbook?
The handbook is an official publication and an essential guide for every student who studies at the University of Sydney. It is an important source of enrolment information. It can also help you with more than just planning your course of study.

As a student at the University of Sydney you need to be aware of course structures and content, who your lecturers are, as well as examination procedures. You should also become familiar with University policies and faculty rules and regulations. The handbook will supply a lot of this information.

It will also point you to places and people around the University who can help you with enquiries about library loans, childcare, fees, casual employment, places to eat and stay, support groups and much, much more.

What new students need to know
• terminology used for courses and programs of study
• semester dates and examination periods
• important contact details
• how to plan your study program
• rules and policies on assessment, satisfactory progression, honours etc.
• what University services are available and where to find them
• how to get around your campus

At the beginning of many of these chapters there will be explanations to help you proceed further.

Where to find what
Course terminology
University terminology – like ‘credit point’, ‘unit of study’, ‘WAM’ etc – can be found at the back of all handbooks.

Definitions of all terminology are located in the General University information section under Abbreviations and Glossary, at the back of this handbook.

Dates
The start and finish dates of semester can be found in the front section of the handbook. Summer School dates are in the General University section at the back of the book.

Contents and index
The comprehensive contents section at the front of the handbook explains the details you’ll find within each chapter.

You’ll find information like:
• how and where to contact Faculty staff
• how to select your units of study and programs
• a list of degrees
• detailed information on all units of study – classified by unit identifiers (a four-alpha, four-digit code and a title)
• electives and streams
• scholarships and prizes
• information specific to faculties

The index lists units of study only. It allows you to check every reference which refers to your unit of study within the handbook.

Colour-coded sections
• Ivory – for undergraduate courses
• Blue – for postgraduate courses

Faculty rules and regulations
Faculty resolutions are the rules and regulations pertaining to a specific faculty. They can generally be found in their own chapter, or next to the relevant units of study.

These should be read along with the University’s own Coursework Rule 2000 (as amended) which can be found in the general University information towards the back of the book. Together they outline the agreement between student and faculty, and student and University. Senate resolutions are located in the University Calendar.

General University information
This is information about the University in general, rather than information specific to the faculty. This information is at the back of the book and includes, among other things:
• the University Coursework Rule
• the PhD Rule
• University terminology and abbreviations
• campus maps to help you find your way around
• Summer School information
• international student information
• student services

Course planner
You might like to plot the course of your degree as you read about your units of study. This planner can be found at the back of the handbook.

Timetables
For information about personal timetables, centrally timetabled units of study, and venue bookings, see http://www.usyd.edu.au/studentcentre/timetabling.shtml.

For the session calendar, see http://web.timetable.usyd.edu.au/calendar.jsp

Students with a disability
Accessible versions of this document, including word, pdf and html versions are available at http://www.usyd.edu.au/handbooks/handbooks_disability/.

You can find information on Disability Services in the General University information section of the handbook. The Service can provide information regarding assistance with enrolment and course and requirements modifications where appropriate.

For details on registering with the Service and online resources see the Disability Services website http://www.usyd.edu.au/disability.

Handbook updates
The information in the handbook is current at the time of publication. Updated information to handbooks and references to University policies such as plagiarism and special consideration, among others can be found in the University’s website.

Important dates – How to use a handbook

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Dean and Associate Deans

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Student Administration Centre

Tin Sheds Gallery

Attendants

The Denis Winston Architecture Library

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Australian Housing and Urban Research Institute (AHURI)

Ian Buchan Fell Housing Research Centre

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Planning Research Centre

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Architectural and Technical Services Centre

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Information and Communications Technology Centre – helpdesk

Library – Denis Winston

Marketing and Future Students

Student Administration Centre

 Studios – Architecture

Tin Sheds Gallery

Wilkinson tutorial rooms

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Scholarships and prizes: what’s the difference?

Prize and scholarship award night

Donations to establish prizes and scholarships
14. Enrolment guide for new postgraduates

About this chapter

Frequently asked questions

How many credit points should I take each semester?

What is the maximum number of credit points I can take each semester?

Do I have to be full-time? What is full-time?

What's the difference between a 'course' and a 'unit of study'?

What does 'program' mean?

What is meant by 'core', 'optional' and 'elective' units?

How do I determine my course requirements?

Do I have to choose units of study for the whole year at enrolment?

Can I take undergraduate units of study?

What if I change my mind about the units of study I have chosen?

How do I change my enrolment after enrolment day?

How do I get a timetable?

Where can I get intensives timetable information?

What is FEE-HELP? Am I eligible?

Can I get a discount on the tuition fees for paying up-front?

Can I get credit for previous tertiary study?

Where do I find the full requirements of the degree and unit choices for second year?

How do I enrol next year?

Who can I ask for help with my enrolment?

Program specific enrolment advice

Architectural design

Architectural history, theory & criticism

Architectural & urban design

Audio and acoustics

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Building services

Design computing

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Illumination design

Sustainable design

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Master of Urban Design (Urban Design & Planning)

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15. Graduate coursework degrees

Overview

Degrees and specialisations

Architecture

Architectural History Theory and Criticism
A message from the Dean

I would like to welcome you to the University of Sydney and to introduce you to the range of programs offered in the Faculty of Architecture. We are committed to improving the quality of designed environments, both digital and physical, by providing you with a high level education, to help you gain professional and intellectual insight into the vital and current debates in the future of environments in which we live, work and play.

The faculty offers a leading range of undergraduate, coursework and research degrees in Australasia dealing with the designed and built environments. We have always had a strong presence in the field of architecture and architectural sciences, urban planning and urban design and, in recent years, established ourselves as the leading centre for the design of digital environments.

Currently we have close to 1300 full-time and part-time undergraduate, postgraduate coursework and research students, post-doctoral fellows and visiting scholars studying and working with us. We welcome your decision to join us. There are a number of different paths you may take on your way to several possible fields of practice.

The faculty offers undergraduate qualifications in architecture through the accredited contiguous degrees of Bachelor of Design in Architecture/Bachelor of Architecture. In these degrees you may wish to choose a stream in allied arts in architecture, digital architecture, urban design and planning. Alternatively you may wish to pursue studies in the design of digital environments in the Bachelor of Design Computing. We encourage the best in these programs to undertake the Honours program and pursue further research qualifications. Your study towards these degrees can be supplemented by units from another faculty to broaden your intellectual experience.

If you wish to specialise after your undergraduate studies, our coursework master's degrees, graduate diplomas and graduate certificates are offered in a wide range of programs: architecture, audio design, building, building services, design computing, digital media, facilities management, heritage conservation, illumination design, sustainable design, urban design and urban and regional planning. Graduates of these programs have become leaders in their fields throughout Australia and the Asia Pacific region.

The faculty also offers the opportunity to pursue research degrees, both MPhil and PhD, in five disciplines: architecture and allied arts, architectural science, design computing and cognition, environment-behaviour studies, and urban and regional policy and planning.

You may elect to study in any of these fields, or to pursue interdisciplinary coursework or research studies in a combination of fields within the faculty or between the faculty and elsewhere in the university. We support these degrees with a wide range of resources, including extensively equipped laboratories and comprehensive workshop facilities. My colleagues in the faculty include world-renowned researchers and educators in each of these areas, ready to assist and mentor you in your learning.

I look forward to welcoming you as you join our academic family.

Professor Tom Kvan
Dean
Faculty of Architecture – our aspiration

We aspire to be the leading Faculty in the Asia Pacific region that broadly addresses the creation of sustainable designed environments to enhance the collective human experience.

Our faculty will develop research and deliver programs which foster critical and creative thinking, preparing graduates to be ethical and effective change agents in a local, national and global context. This will be achieved through a community of research active staff and the provision of excellence in teaching, both in underlying theoretical concepts as well as application through design and supported through collaboration across disciplines within the University. We will benchmark our activities internationally to contribute to the University’s goal of 1:5:40. To this end we have identified goals for four core aspects of our activities.

Research and Innovation:
To place research at the centre of our scholarly activities.

Learning and Teaching:
To develop and articulate research led teaching to engage students in knowledge discovery.

Effective Management:
To provide management support to the Faculty in a responsible and transparent manner.

Community, Professional and Industry Engagement:
To communicate and demonstrate our value to the communities in which we engage.

Short history

The Faculty of Architecture, the first in Australia, was established in 1919 to conduct an undergraduate professional Bachelor of Architecture program. In 1948 the Department of Town and Country Planning was founded within the Faculty and in 1989 was renamed the Department of Urban and Regional Planning. In 1954 a Chair of Architectural Science was created around which the Department of Architectural Science developed. In 1989 the department was renamed the Department of Architectural and Design Science. The Tin Sheds Gallery and Art Studios became part of the Faculty in 1990, having previously been a central academic service unit which developed from resources provided by the Faculty in the 1960s. In 2002 the Faculty was restructured, with a Faculty-wide School (and newly appointed Head of School) overseeing the disciplines created from the old departments. In 2004 the School itself was set aside for a flat structure of one Faculty with five loose disciplines defining areas of research and teaching activity.

Since 1984 the Faculty has been housed under one roof in the purpose-designed Wilkinson Building, which contains the most comprehensive architecture and planning library, the Denis Winston Architecture Library, and the largest and most advanced centre for design computing in Australia. The Faculty also has four research centres: the AHURI Housing and Urban Research Centre, the Ian Buchan Fell Housing Research Centre, the Planning Research Centre and the Key Centre of Design Computing.
1. Staff

Academic staff

Dean and Associate Deans

Dean
Professor Thomas Kvan, MA Camb MArch Calif PhD Open(UK), AHKIA AAIA

Associate Dean (Graduate Studies)
Bruce S A Forwood, BArch

Associate Dean (Learning and Teaching)
Kristine S Sodersten, DipHEd UNSW BArch, ARAIA

Associate Dean (Research)
Professor John S Gero, BE UNSW MBdgSc PhD, FRSA FIEAust FAAAI

Associate Dean (Staff)
Associate Professor Warren G Julian, BSc BE MSc(Arch) PhD DipBdgSc, LFIES ANZ IALD

Associate Dean (Undergraduate Studies)
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Bachelor of Architecture
Dr Peter Armstrong

Bachelor of Design Computing
Dr Andy Dong

Graduate programs coordinators
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Professor Tom Heneghan

Audio and Acoustics
Dr Densil Cabrera

Building
Dr Simon N Hayman

Building Services
Associate Professor Warren G Julian

Design Computing
Dr Andrew Vande Moere

Digital Media
Dr Kirsty Beilharz

Facilities Management
Dr David Leifer

Heritage Conservation
Mr Trevor Howells

Illumination Design
Associate Professor Warren G Julian

Sustainable Design
Mr Bruce S A Forwood

Urban Design
Mr Barrie Shelton

Urban and Regional Planning
Mr Martin Payne

Art workshops
Coordinator
Ms Jan Fieldsend

Discipline heads
Architecture and Allied Arts
Professor Tom Heneghan

Architectural and Design Science
Associate Professor Warren G Julian

Design Computing and Cognition
Professor John S Gero

Environment Behaviour Studies
Professor Gary Moore

Urban and Regional Planning and Policy
Professor Edward Blakely

Academic positions
Professor of Architecture
Tom Heneghan, AADipl. Appointed 2002

Professor of Design Computing

Professor of Design Science
John S Gero, BE UNSW MBdgSc PhD, FRSA FIEAust FAAAI. Appointed 1985

Professor of Designed Environments
Thomas Kvan, MA Camb MArch Calif PhD Open(UK), AHKIA AAIA. Appointed 2005

Professor of Environment – Behaviour Studies
Gary T Moore, BArch Calif MA PhD Clark, ARAPI RAIA FAPA. Appointed 1997

Professor of Urban & Regional Planning
Edward Blakely, MA PhD Calif MMgmt Pasadena, FNAPA. Appointed 2003

Professors Emeriti
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Geoffrey P Webber, MSc(Arch) Col BArch MTCP, FRAIA RAPI ARIBA

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Jane Marceau

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Lawrence Nield, BArch
Mary-Lynne Taylor, BA LLB

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Elizabeth Grosz
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Bin Ma, MEd Wuhan
Paul Walker

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Administration Officer
Suzanne Roberts

Research Support Officer
Anne Christian

Administration Assistants
Honor Morton
Kim Pagett

Architectural and Technical Services Centre
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Phil Granger

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Rick Moss
Ken Stewart, MDesSc
Matt Storey, MDesSc

Audio Visual Centre
Manager
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Joseph Nappa, BE
Julian Tam
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Acting Continuing Student Adviser
Jessica Pymm

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Lesley Vanderkwast

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Manager
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Administration Assistant
Anita Lever, MArtAdmin UNSW

Attendants
Bruce Hyde
Tom Kukuros

The Denis Winston Architecture Library
Librarian
Lise Roberts, BA Macq DipLib UNSW

Senior Library Assistant
Helen Campbell

Library Assistant
John Wu, BA(Hons)

General Library Assistants
Sue Gong
Margaret Harvey
Lily Li
Maureen Ross

Research centres
Australian Housing and Urban Research Institute (AHURI)
Director
Vivienne Milligan, PhD Utrecht BA(Hons)

Ian Buchan Fell Housing Research Centre
Director
Colin L James AM, MArch Harv DipTCP, ASTC(Arch) ARAIA RAPI

Honorary Research Assistant
Susan Clarke

Key Centre of Design Computing and Cognition
Co-Directors
Professor John S Gero, BE UNSW MBdgSc PhD, FRSA FiE Aust FAAA
Professor Mary Lou Maher, BS Col MS PhD Carnegie-Mellon

Honorary Associate Professor A Terrence Purcell, PhD Macq BA
1. Staff
2. Degrees, diplomas and certificates on offer

Undergraduate degrees
Bachelor of Design in Architecture  
BDesArch
Bachelor of Design Computing  
BDesComp
Bachelor of Architecture  
BArch
All undergraduate degrees are available as honours degrees.

Research degrees
Doctor of Science in Architecture  
DScArch
Doctor of Philosophy  
PhD
Master of Philosophy (Architecture)  
MPhil(Arch)

Graduate degrees by coursework
Master of Architecture (Architectural Design)  
MArch(ArchDes)
Master of Architecture (Architectural History, Theory and Criticism)  
MArch(ArchHistTheory and Crit)
Master of Architecture (Architectural and Urban Design)  
MArch(Arch and UrbDes)
Master of Design Science (Audio and Acoustics)  
MDesSc(AudioAcoustics)
Master of Design Science (Building)  
MDesSc(Build)
Master of Design Science (Building Services)  
MDesSc(BuildServ)
Master of Design Science (Design Computing)  
MDesSc(DesComp)
Master of Design Science (Digital Media)  
MDesSc(DigMed)
Master of Design Science (Facilities Management)  
MDesSc(FacMan)
Master of Design Science (Illumination Design)  
MDesSc(IllumDes)
Master of Design Science (Sustainable Design)  
MDesSc(SustainDes)
Master of Design Science (double stream)  
MDesSc(streams)
Master of Facilities Management  
MFM

Master of Heritage Conservation  
MHeritCons
Master of Urban Design  
MUrbDes
Master of Urban Design (Urban Design and Planning)  
MUrbDes(UrbDes and Plan)
Master of Urban and Regional Planning  
MURP
Master of Urban and Regional Planning (Heritage Conservation)  
MURP(HeritCons)
Master of Urban and Regional Planning (Housing Studies)  
MURP(HS)
Master of Urban and Regional Planning (Urban Design)  
MURP(UrbDes)
All Master's degrees are available as honours degrees.

Graduate diplomas by coursework
Graduate Diploma in Architecture (Architectural Design)  
GradDipArch(ArchDes)
Graduate Diploma in Architecture (Architectural History, Theory and Criticism)  
GradDipArch(ArchHistTheory and Crit)
Graduate Diploma in Design Science (Audio and Acoustics)  
GradDipDesSc(AudioAcoustics)
Graduate Diploma in Design Science (Building)  
GradDipDesSc(Build)
Graduate Diploma in Design Science (Building Services)  
GradDipDesSc(BuildServ)
Graduate Diploma in Design Science (Design Computing)  
GradDipDesSc(DesComp)
Graduate Diploma in Design Science (Digital Media)  
GradDipDesSc(DigMed)
Graduate Diploma in Design Science (Facilities Management)  
GradDipDesSc(FacMan)
Graduate Diploma in Design Science (Illumination Design)  
GradDipDesSc(IllumDes)
Graduate Diploma in Design Science (Sustainable Design)  
GradDipDesSc(SustainDes)
Graduate Diploma in Facilities Management  
GradDipFM
Graduate Diploma in Heritage Conservation  
GradDipHeritCons
Graduate Diploma in Urban Design  
GradDipUrbDes
Graduate Diploma in Urban and Regional Planning  
GradDipURP

For the latest updates, visit Handbooks online.  
http://www.usyd.edu.au/handbooks
Graduate certificates by coursework

Graduate Certificate in Architecture (Architectural Design)  
GradCertArch(ArchDes)

Graduate Certificate in Architecture (Architectural History, Theory and Criticism)  
GradCertArch(ArchHistTheory and Crit)

Graduate Certificate in Design Science (Audio and Acoustics)  
GradCertDesSc(AudioAcoustics)

Graduate Certificate in Design Science (Building)  
GradCertDesSc(Build)

Graduate Certificate in Design Science (Building Services)  
GradCertDesSc(BuildServ)

Graduate Certificate in Design Science (Design Computing)  
GradCertDesSc(DesComp)

Graduate Certificate in Design Science (Digital Media)  
GradCertDesSc(DigMed)

Graduate Certificate in Design Science (Facilities Management)  
GradCertDesSc(FacMan)

Graduate Certificate in Design Science (Illumination Design)  
GradCertDesSc(IllumDes)

Graduate Certificate in Design Science (Sustainable Design)  
GradCertDesSc(SustainDes)

Graduate Certificate in Facilities Management  
GradCertFM

Graduate Certificate in Heritage Conservation  
GradCertHeritCons

Graduate Certificate in Urban Design  
GradCertUrbDes

Graduate Certificate in Urban and Regional Planning  
GradCertURP

Combined degrees with other Faculties

Master of Transport Management/ Master of Urban and Regional Planning  
MTM/MURP

Master of Commerce/ Master of Facilities Management  
MCom/MFM

The Master of Commerce, Master of Urban and Regional Planning and Master of Facilities Management are available as honours degrees.
3. Faculty policies, procedures and facilities

Policies

Appeals against academic decisions

The University policy regarding student appeals against academic decisions can be found in both the Calendar and on the University’s website, through the Central Policy Index. The desire of the University, as expressed in the policy, is that most problems be resolved informally at the local level between the student and the academic concerned. In cases where this is not possible the problem is escalated up the ranks until a resolution is achieved, firstly to the Associate Dean or undergraduate or graduate studies as appropriate, then the Dean and so on. The objective is to resolve problems openly, fairly and to everyone’s satisfaction. Written appeals to the Associate Deans can be lodged with the Student Administration Centre.

There are many non-academic situations without such specific provision for appeal where you might wish to have a decision reviewed or to draw attention to additional information relevant to your case. As a general rule in these circumstances you are invited to address a request of this nature in writing, or to discuss the matter with, the relevant organisation (for example, the SRC or SUPRA) or University department (for example, Examinations, Scholarships, Financial Assistance). Advice may also be sought from the Student Administration Centre in the Faculty of Architecture.

Attendance

Graduate and undergraduate students must attend all lectures and other classes required for a unit of study. Each unit has its own specific requirements for attendance, usually 90–100 per cent, without certification for illness or misadventure. If a student does not fulfil the attendance requirements as well as all other unit of study requirements, they may fail the unit. In the Bachelor of Design in Architecture, Design Practice and Design Studies require attendance at all sessions from week 1. Students who are unable to attend should advise their lecturer the week before or by email.

Exclusion or 'show cause'

There are certain circumstances in which you could be asked to 'show good cause' why you should be permitted to re-enrol in a unit of study or your degree. In the Faculty of Architecture undergraduates will be asked to 'show cause' if they have failed a required unit of study more than once. The same requirement applies to postgraduates with the addition that if a student fails 50 per cent or more of the units attempted they will also be asked to show cause.

The resolutions of the Senate restricting re-enrolment may be found in the University of Sydney (Coursework) Rule 2000 (as amended) (later in this handbook) and under Faculty resolutions governing your degree. If you are in any doubt about your liability for exclusion following academic failure or discontinuation of units of study you should seek advice from the Student Administration Centre.

It is not possible to define in advance all the reasons that constitute 'good cause' but serious ill health, or misadventure properly attested, will be considered. In addition your general record, for example in other units, would be taken into account. In particular if you were transferring from another faculty your record in your previous faculty would be considered. Not usually acceptable as 'good cause' are such matters as demands of employers, pressure of employment, time devoted to non-university activities, except if they may be relevant to any serious ill health or misadventure.

Insurance for work experience

Students of the university are insured while off campus on university related activities, including work experience that is required as part of a unit of study. Policy details are available on the Risk Management website, including statements of coverage that can be supplied to employers. http://www.usyd.edu.au/risk/insurance.shtml

Late submission policy

It is expected that unless other arrangements have been made (e.g. through an application for Special Consideration), students will submit all assessment for a unit of study on the due date. If a student’s preparation of a piece of assessment is impaired by the failure of Faculty or University supplied equipment (for example, a plotter printer not working) that student should obtain written verification of the failure from a relevant staff member and apply for an extension on the next working day. An extension will only be granted for a maximum period equal to the length of attested impairment (i.e. if you were impaired for three days, you may be granted an extension of up to three days). If the assessment is completed or submitted within the period of extension, no academic penalty will be applied to that piece of assessment.

If an extension is either not sought, not granted or is granted but work is submitted after the extended due date, the late submission of assessment will result in an academic penalty.

Work submitted for assessment after the deadline but up to three days (72 hours) late can achieve a maximum of 65 per cent of marks allocated for the assessment task (low Credit).

Work submitted after three days (72 hours+) but up to one week late (same deadline time and day one week later) can achieve a maximum of 50 per cent of marks allocated for the assessment task (minimum Pass).

For the latest updates, visit Handbooks online.
http://www.usyd.edu.au/handbooks
Work submitted more than one week late (after deadline time and day one week later) but less than two weeks late can achieve a maximum of 45 per cent of marks allocated for the assessment task (Fail).

Work submitted more than two weeks late (after deadline time and day two weeks later) will not be assessed (Fail).

Plagiarism and academic honesty
Academic honesty is a core value of the University. The University is committed to the basic academic right that students receive due credit for work submitted for assessment. Integral to this is the notion that it is clearly unfair for students to submit work for assessment that is not their own and which is not attributed to the original authors. This is known as plagiarism. Such activity represents a form of fraud. The Academic Board Resolution on ‘Academic Honesty in Coursework’ sets out principles, procedures and a code of practice for academic honesty in submitted work in the University. This document is available at http://www.usyd.edu.au/policy/

Students who are found to have plagiarised face a range of penalties from warning, failure of the unit of study or disciplinary action under the University by-laws. The Faculty of Architecture takes plagiarism very seriously.

Resubmission or supplementary examination
You do not have an automatic right to resubmit work for assessment. The Faculty has agreed that students may be invited to resubmit work for examination if their result is in the range 45–49 per cent and it is considered that with minor changes it could reach a passing grade. Resubmitted work will receive a maximum mark of 50P.

Special consideration policy
Students who have a serious illness or who have experienced misadventure which may affect their academic performance in a course or unit of study may request that they be given special consideration in relation to the determination of their results. It should be noted that brief illness or minor misadventure will not warrant special consideration unless it prevents the student submitting an assessment by the due date, attending an examination as scheduled or attending a compulsory class. Occasional brief illness is not regarded as sufficient to explain poor performance where work has been completed, nor does it justify failure to produce work as soon as the illness is past. Applications for special consideration may be made in respect of any or all factors which contribute to assessment in a unit of study, including assessment tasks, examinations and attendance requirements.

Please note that the application for special consideration must be submitted within seven (7) days of the due date of the assessment or examination for which consideration is being sought. No application received after this period has lapsed will be accepted unless exceptional circumstances (e.g. hospitalisation), for which documentation must be provided, have prevented timely application.

The Faculty of Architecture Guidelines for Application for Special Consideration (www.arch.usyd.edu.au) must be read in conjunction with the Academic Board Resolutions: Assessment and Examination of Coursework. Part 5 – Special consideration due to Illness or Misadventure, which may be viewed at http://policy.rms.usyd.edu.au/

Special consideration policy and forms are available from the Student Administration Centre or the Current Students pages of the Faculty of Architecture website.

Procedures
Assignment drop boxes
Always follow the instructions of your lecturer or tutor about submission of work. Commonly, you will be asked to submit assignments via the drop boxes located on level 4, outside the library.

Building access – swipe cards
After hours access to the Wilkinson Building, and access to many internal rooms such as computer labs and studios, is by swipe card.

All students will be offered a swipe card automatically and will be notified by email to their university email address about procedures for collecting it. If for some reason you are not notified, or you lose or damage your card, please come to the Student Administration Centre during counter hours to organise a replacement. Alternatively, you may email sac@arch.usyd.edu.au.

Students are asked to pay a deposit, refundable when the card is returned. Lost cards should be notified immediately to Security Services on +61 2 9351 3487.

Computer lab logins
To access the computers in the Wilkinson building you will need to have an access account created for you. This is different to your UniKey account. Computers in the building are for the use of Architecture students only or students from other faculties taking units in this faculty.

In 99 per cent of cases an account will be automatically created once you enrol. Keep a eye on your university email account – you should receive an email advising you of your login ID and password.

If you enrol late or are a student from another faculty you may find you need to request an account. The Architecture Information and Communication Technology Centre is located on level 2 of the Wilkinson building in the Hearth, in the corner next to the Student Administration Centre. You can also request an account online by visiting http://www.helpdesk/arch.usyd.edu.au and going through the ‘Contact us’ page. Note that you MUST have a valid enrolment before access will be granted – check your enrolment first.

Enrolment matters
The Student Administration Centre will assist you with all enrolment matters that cannot be done via MyUni. Use MyUni to change your address, change your units of study, check and change your timetable, check your results.

If units of study say that ‘department permission is required for enrolment’ you will not be able to use MyUni. You should follow any specific advice attached to the unit description. Usually this involves collecting a Special Permission Form from the SAC, getting it signed by the academic in charge of the unit, and bringing this to the SAC where the staff will effect an enrolment. If you are not on campus, the SAC will accept emails from the appropriate authorising person showing that permission has been granted. Email sac@arch.usyd.edu.au

Enrolment: changing course – transferring or upgrading
If you have started one degree and want to transfer to another, want to enrol in the Bachelor of Architecture, or want to ‘upgrade’ from (for example) a Graduate Certificate or Diploma to a Master’s, please contact the Student Administration Centre. You will be required to complete an application form. It is advisable to do this some weeks or months ahead of when you plan to enrol.

Enrolment: Suspension (deferral) of candidature
Students may suspend (commonly called ‘defer’) their candidature by applying in writing to the Faculty’s Student Administration Centre as soon as the decision has been taken, giving brief details of the reasons and the period requested. The Faculty normally considers suspensions for two semesters only at a time. Once the period of suspension is over, students must re-enrol or apply for a further period of suspension. Failure to suspend your enrolment or suspension beyond four semesters will result in you having to re-apply for entry to the program.
Facilities and offices

Building plan and orientation
A building plan of each floor is located at the back of this book. Use it to find the commonly used venues described below. Room numbers always start with the floor number, so 144 is on level 1, 541 is on level 5.

The Maze Crescent entrance brings you into level 1 at the rear of the building. The City Road entrance brings you into level 2 at the front of the building.

Academic Support Centre
Located on level 3 of the Wilkinson building near the lifts. The Academic Support Centre houses administrative support for the teaching and research activities of the Faculty.
Phone: +61 2 9351 2771
Fax: +61 2 9351 3031

Acoustics laboratory
Located on level 4 of the Wilkinson building. This is a teaching and research laboratory with reverberant and anechoic test chambers and an extensive range of NATA certified measuring equipment plus computer systems for instrument control, audio and acoustic measurement, acoustic modelling and sound field simulation. Currently under reconstruction following a fire in 2005.

Architectural and Technical Services Centre
Located on level 1 of the Wilkinson building. The Faculty has well-established laboratories, workshops and items of equipment for teaching, student project work and graduate and staff research. These include the materials testing lab, wood, plastic and metal working machinery and tools for object design, model making and prototype construction. There is a wind tunnel for ventilation modelling and industry standard facilities such as heliodon, mirror chamber skylights, photometry, thermal environment, natural lighting, artificial skies and psychophysics laboratories. Undergraduates and graduates are encouraged to use these facilities after an initial training session or with the assistance of the ATSC staff.

Architecture lecture theatres
Located on level 2 of the Wilkinson building close to the City Road entrance. Architecture Lecture Theatre 1 (or ALT 1) is on your left as you walk in from City Road. Architecture Lecture Theatre 2 (or ALT 2) is straight ahead behind the lift well. ALT 3 is located to your right on the opposite side of the Hearth.

Art workshops
Located on level 1, the Faculty houses a several purpose built spaces for art workshop teaching: ceramics, drawing and painting, photography, screen printing and sculpture studios support a range of creative and fine arts teaching. These provide excellent complementary work for students of design in any field. The administration of the art workshops is run out of the office of the Tin Sheds Gallery on level 2. Students who want to sign up for an art workshop will need to see the gallery staff to be allocated a place, before proceeding to their Faculty office for enrolment. Details of art workshop units on can be found in the tables of units of study in this handbook.
Phone: +61 2 9351 3115
Fax: +61 2 9351 4184
Email: tinsheds@arch.usyd.edu.au

Audio recording and research studio
Located on level 1 of the Wilkinson building, room 144. This is a computer-based recording studio with acoustically isolated recording and control rooms. The studio is set up for music and voice recording and video sound post-production. The studio incorporates ProTools software.
Audio Visual Centre
Located on level 4 of the Wilkinson building behind the Denis Winston Library. It is best access from the fire stairs on level 3 or 5. The Audio Visual Centre is an important resource for students and staff of the Faculty. It houses an extensive film, video, slide and tape collection including an extensive digital media collection. It contains copies of dissertations and Advanced Study Reports produced by students and as such contains much research relevant to the Faculty that will not be found in the University library. It also has a wide range of equipment for use in the Centre or in the attached viewing theatre, including scanning and viewing equipment.
Phone: +61 2 9351 5913

Computer labs
The computer labs are available 24 hours a day seven days a week for students of the Faculty but you will need a swipe card for after hours access. You will also need a special Architecture login ID and password to access these machines. See under ‘Procedures’ in this chapter for more information.

There are three computer labs on level 2 of the building, for general access. The General Access lab contains 40 PCs, the Digital Media lab contains 20 PCs and the Mac lab 20 Macintosh computers. On level 3 there is a lab of 40 PCs reserved for the use of students of the Bachelor of Design Computing. On level 5 there is a lab of 40 PCs for the use of students on postgraduate programs. There are also many kiosk computers throughout the building and in studios to allow students to check email or conduct administrative tasks.

The computer labs are also teaching spaces – please vacate the computer labs if they are required for teaching.

Dean’s office
The office of the Dean of the Faculty is located on level 4 of the Wilkinson building, at the opposite end of the corridor to the library. Most student matters should be directed in the first instance to the Student Administration Centre on level 2.
Phone: +61 2 9351 5924
Fax: +61 2 9351 5665

Information and Communications Technology Centre – helpdesk
The ICTC is located on level 2 of the Wilkinson building in the Hearth, next to the Student Administration Centre. The ICTC staff provide technical support for the Faculty’s computing facilities. They issue accounts and passwords, assist with printing problems including printing accounts, help with hardware problems and purchase of hardware. The office is open most of the time on weekdays or a duty mobile number will be posted on the door.
Web page including help requests: http://helpdesk.arch.usyd.edu.au

Library – Denis Winston
Located on Level 4 of the Wilkinson Building, the Denis Winston Library is a branch of the University Library and is acknowledged as the largest and best architecture, architectural science, design science, planning and allied disciplines library in Australia. Students also have access to the other branch libraries and the main Fisher Library. During semester the Architecture Library is open 9am to 6.30pm Monday to Thursday and to 5pm on Friday. The main Fisher Library maintains more extensive opening hours including weekends and evenings.
Phone: +61 2 9351 2775
Fax: +61 2 9351 4782
Email: architecture@library.usyd.edu.au

Marketing and Future Students
Located on level 4 of the Wilkinson building, next to the Library. This office handles enquiries from future or prospective students, as well as maintaining the faculty web site and conducting promotional activities.
Phone: +61 2 9351 2686

Email: sialor@arch.usyd.edu.au

Student Administration Centre
The SAC is located on level 2 of the Wilkinson building in the Hearth. The SAC deals with all matters related to enrolment and student administration. Enrolment, variation of enrolment, suspension of candidature, appeals against academic decisions, swipe cards, timetables, credit, change of candidature (upgrading), graduation assessment, scholarships and prizes. It is a useful first point of contact if you are not sure where else to go.

The SAC counter hours are:
Monday and Wednesday - 10am to 4pm (closed 12.30pm to 1.30pm)
Tuesday and Thursday - 10am to 6pm (closed 2pm to 4pm)
Friday - 10am to 12noon
The counter will close at 5pm in non-teaching periods.
Phone: +61 2 9351 3248
Fax: +61 2 9036 9532
email: sac@arch.usyd.edu.au

Studios – Architecture
There are three architecture studios devoted solely to teaching undergraduate architecture. Each studio contains a locker space for every student, drawing boards, tables and some computers. The studios are accessible 24 hours a day seven days a week with a swipe card. Students are encouraged to use these spaces for their design work and as a shared collaborative space when not used for teaching.

The first year studio is on level three straight ahead out of the lift. The year two and three studio is on level 3 behind the lift. The year four and five studio is on level 2, best accessed from the Hearth near the Student Administration Centre.

Tin Sheds Gallery
See also ‘Art workshops’. Located on level 2 of the building at the city road entrance. The Tin Sheds Gallery exhibits artworks by professional artists and is an established part of the Sydney art exhibition scene. Gallery hours are Tuesday to Saturday 11am to 5pm.
Phone: +61 2 9351 3115
Fax: +61 2 9351 4184
email: tinsheds@arch.usyd.edu.au

Wilkinson tutorial rooms
Commonly used teaching rooms in the building are:

Wilkinson 110 Surround Sound – on level 1, straight ahead from the lifts up the first set of stairs and along the corridor, turn left, then right, through the fire door.

Wilkinson 144 Audio Studio – on level 1, turn left out of the lift and follow the corridor down, the studio is on the left.

Wilkinson 308 – on level 3 behind the lifts.

Wilkinson 481 – on level 4, take the corridor away from the library, turn right and go to the very end of the corridor.

Wilkinson 502 – on level 5, proceed straight ahead from the lift to the common area, left down the corridor, first door on the left.

Wilkinson 526 Graduate Computer Lab – on level 5, proceed straight ahead from the lift through the common area, right down and to the end of the corridor.

Wilkinson 541 – on level 5 proceed straight ahead from the lift to the common area, turn left and follow the corridor to the end.

Wilkinson 557 – on level 5 turn right out of the lift and proceed down the corridor, the room is on the left.
About this chapter
The following table lists the scholarships and then the prizes available to undergraduate students in the Faculty of Architecture. These are further divided into the course of enrolment for which the award is applicable.

Scholarships and prizes: what's the difference?
Scholarships are generally awarded at the commencement of a program of study, and often (but not always) by application. Generally, their intention is to support you while you study. Undergraduate scholarships are generally paid in instalments or as lump sums. Scholarships are most often awarded to full-time scholars.

Prizes are generally awarded to recognise superior academic merit during your study. They can take the form of a cash prize, a certificate or book prize or even the offer of employment. They are awarded without application. The award of a prize is recognised publicly and is recorded on your academic transcript. It is highly regarded by employers and other academic institutions.

Prize and scholarship award night
The Faculty holds a presentation evening in April where undergraduate prizes and scholarships are publicly recognised. The Student Administration Centre will contact prize and scholarship winners with an invitation.

Donations to establish prizes and scholarships
Many of the Faculty’s prizes and scholarships are donated by alumni, staff, the professions or industry. If you are interested in establishing a prize or scholarship in the Faculty of Architecture, or adding to an existing one, please contact Ms Sue Lord on 9351 5906 or the Dean on 9351 5924.

Scholarships
The table below summarises the scholarships that are known to be available to students in the Faculty of Architecture, and gives some direction about where to lodge applications. It is not an exhaustive list. Different students from different backgrounds may find funding from the community or organisations from which they come from, or from the governments of their home countries.

The diversity of sources of funds means that there is a diversity of places to look for and apply for scholarships. Scholarships come from four main sources.

- The Faculty of Architecture commits a significant amount of funds to undergraduate scholarships.
- The University of Sydney centrally funds many scholarships for the same purpose.
- The Australian Government funds Commonwealth Learning Scholarships.
- Private donations provide another important source of funds for scholarships.

Scholarship information and applications
At the University of Sydney there are two main places to look for scholarship information and to lodge applications. Please read this in conjunction with the information supplied in the tables below. These organisations are often the best place to contact for enquiries regarding the terms, conditions and application dates.

Faculty of Architecture
The Faculty of Architecture handles applications for all faculty funded prizes and scholarships. These include the main undergraduate entry awards for the Bachelor of Design in Architecture, Bachelor of Design Computing and the Bachelor of Architecture, as well as honours scholarships. http://www.arch.usyd.edu.au

Be aware that applications for scholarships often close in October or November in the year prior to the commencement of your study.

Scholarships Unit
The Scholarships Unit handles applications for most university and government funded undergraduate awards. These include the main undergraduate entry awards for the Bachelor of Design in Architecture, Bachelor of Design Computing and the Bachelor of Architecture, as well as honours scholarships. http://www.usyd.edu.au/scholarships or telephone 9351 2717.

Disclaimer
The terms, conditions, values and availability of all prizes and scholarships listed are subject to change without notice.

For the latest updates, visit Handbooks online.
http://www.usyd.edu.au/handbooks
4. Undergraduate scholarships and prizes

**Undergraduate scholarships table**

<table>
<thead>
<tr>
<th>Category and scholarship name</th>
<th>Description</th>
<th>Approx value p.a.</th>
<th>Max tenure (yrs)</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Sydney Outstanding Achievement Scholarship</td>
<td>Awarded to any student enrolling at the University of Sydney who scores a UAI of 100 or 99.95 in the NSW HSC or equivalent in the preceeding year. No application required.</td>
<td>A generous value</td>
<td>5</td>
<td>varies</td>
</tr>
<tr>
<td>University of Sydney Scholarship with Merit</td>
<td>Awarded on the basis of on academic merit and other achievements. Application to the Scholarships Unit by 29 September in the year prior to enrolment.</td>
<td>$5,000</td>
<td>5</td>
<td>approx 1</td>
</tr>
<tr>
<td>University of Sydney Scholarship Entry Award</td>
<td>Awarded on the basis of on academic merit and other achievements. Application to the Scholarships Unit by 29 September in the year prior to enrolment.</td>
<td>$5,000</td>
<td>1</td>
<td>approx 2</td>
</tr>
<tr>
<td>University of Sydney Access Scholarships</td>
<td>Awarded to school leavers with academic ability who have been disadvantaged (financial, disability, rural/remote). Applications to the UAC in the year prior to first enrolment.</td>
<td>$4,000</td>
<td>5</td>
<td>approx 60 uni wide</td>
</tr>
<tr>
<td>Commonwealth Learning Scholarships</td>
<td>For students from low socio-economic backgrounds, particularly indigenous students and students from rural and regional areas. Applications to the UAC in the year prior to first enrolment.</td>
<td>$2,000 - $4,000</td>
<td>1 to 4</td>
<td>over 300 uni wide</td>
</tr>
<tr>
<td>Dean's Outstanding Merit Scholarship</td>
<td>Awarded to the best student entering either the Bachelor of Design in Architecture or the Bachelor of Design Computing. Minimum UAI of 98 and no previous tertiary study. Value: $1000 p.a. No application required.</td>
<td>$1,000</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Dean's Merit Scholarship</td>
<td>Up to 25 scholarships annually to the best students entering the Bachelor of Design in Architecture (minimum UAI 98) or the Bachelor of Design Computing (minimum UAI 95). No application required.</td>
<td>$1,000</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>Dean's International Merit Scholarship</td>
<td>Awarded annually to the best international students entering the Bachelor of Design in Architecture (minimum UAI determined annually, currently 97 or equivalent) or the Bachelor of Design Computing (minimum UAI determined annually 95 or equivalent). No application required.</td>
<td>$1,000</td>
<td>1</td>
<td>varies</td>
</tr>
<tr>
<td>University of Sydney Continuing Undergraduate Scholarships</td>
<td>Awarded on the basis of academic merit to citizens or permanent residents who are continuing undergraduates. Must not hold an award of equal or greater value. No application required.</td>
<td>$5,000</td>
<td>1</td>
<td>approx 2</td>
</tr>
<tr>
<td>Byera Hadley Travelling Scholarship</td>
<td>Four Byera Hadley Travelling Scholarships will be awarded annually to a student from each of the University of Newcastle, the University of New South Wales, the University of Sydney and the University of Technology, Sydney. The student nominees must be in the process of completing the third year of the Bachelor of Design in Architecture and intend to continue to the Bachelor of Architecture. All nominees must be Australian citizens. Applications close 31 August each year to the NSW Architects Registration Board.</td>
<td>$4,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Bates Smart Prize for Architectural Design</td>
<td>Awarded annually to the best student in design in the Bachelor of Architecture at the end of the fourth year. Portfolio and interview required. Applications to the Faculty of Architecture by 30 November each year.</td>
<td>$2,500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>James Hartley Bibby Memorial Scholarship in Architecture</td>
<td>Awarded to the student entering the Bachelor of Architecture who graduated Bachelor of Design in Architecture with the best record in architectural design. No application required.</td>
<td>$2,600</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Margot and Neville Gruzman Scholarship for Urban Design in Architecture</td>
<td>Awarded to an outstanding Bachelor of Architecture student entering 5th year who demonstrates the greatest understanding of and sensitivity to the surrounding urban and natural environmental context and to urban design as part of their architectural design studies. Selected by minimum Distinction Weighted Average Mark, application and portfolio. Applications to the Faculty of Architecturer by 30 November each year.</td>
<td>$1,350</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>University of Sydney Scholarship for Graduate Programs Entry Award</td>
<td>Awarded annually to students entering the Bachelor of Architecture. Awarded by merit as well as leadership and creativity. Applications to the Scholarships Unit late in the year prior to commencement.</td>
<td>$5,000</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>University of Sydney Scholarship for Graduate Programs Merit Award</td>
<td>Awarded annually to students entering the Bachelor of Architecture. Awarded by merit as well as leadership and creativity. Applications to the Scholarships Unit late in the year prior to commencement.</td>
<td>$5,000</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Woods Bagot Scholarship in Architectural Design</td>
<td>Awarded annually to the best entering BArch student in terms of 3rd year arch design - selected by design WAM for interview, final selection by interview panel. Applications to the Faculty of Architecture by 30 November each year.</td>
<td>$1,000</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>JW and BK Elkins Architectural Scholarship</td>
<td>To the best student entering the Bachelor of Design in Architecture honours year, based on application and past academic performance. Applications to the Faculty of Architecture by 30 November each year.</td>
<td>$1,700</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>University of Sydney Honours Scholarship</td>
<td>Awarded on the basis of merit to citizens and permanent residents enrolling in a full year honours program at the University of Sydney. Applications to the Scholarships Unit close November or December each year.</td>
<td>$5,000</td>
<td>1</td>
<td>approx 1</td>
</tr>
</tbody>
</table>
## Undergraduate prizes table

<table>
<thead>
<tr>
<th>Description</th>
<th>Approx value p.a.</th>
<th>Max tenure (yrs)</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course availability and prize name</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dean's List of Excellence in Academic Performance</td>
<td>0</td>
<td>1 n/a</td>
<td></td>
</tr>
<tr>
<td>Faculty of Architecture Alumni Prize in Architecture</td>
<td>$250</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Henry J Cowan Prize in Environment, Behaviour and Society</td>
<td>Book prize</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Noel Chettle Memorial Art Prize in Architecture</td>
<td>Varies</td>
<td>Varies</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Design in Architecture Prizes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elizabeth Munro Prize in Architecture</td>
<td>$1,300</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>John Stephen Mansfield Prize in Urban and Regional Planning</td>
<td>$1,600</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Leslie Wilkinson Prize in Architectural History and Theory</td>
<td>$460</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Design in Architecture / Bachelor of Architecture Prizes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Science Prize</td>
<td>$100</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Arthur Baldwinson Memorial Prize in Architectural History and Theory</td>
<td>$640</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Henry J Cowan Prize in Architectural Science</td>
<td>Book Prizes</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Architecture Prizes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHL Turner Memorial Prize in Architectural Design</td>
<td>$230</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ethel M Chettle Prize in Architecture</td>
<td>$900</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>George McRae Prize in Architectural Construction</td>
<td>$330</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>NSW Architects Registration Board Prize in Architectural Construction</td>
<td>$3 x $250 and 1 x $500</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>RAIA NSW Chapter Prize</td>
<td>$500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>RAIA/Bligh Voller Nield Prize in Architecture</td>
<td>$2,500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ruskin Rowe Prize for Architecture</td>
<td>$220</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sir John Sulman Prize</td>
<td>$640</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sunlord Perpetual Prize in Architectural Design</td>
<td>$1,800</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Design Computing Prizes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design Computing Prize</td>
<td>$100</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
4. Undergraduate scholarships and prizes
5. Enrolment guide for new undergraduates

About this chapter
This chapter provides practical enrolment advice to students about to enrol into the following degrees:
- Bachelor of Design in Architecture
- Bachelor of Design Computing
- Bachelor of Architecture

It is best read prior to your attending enrolment so that you will be able to proceed through the enrolment process with the minimum of fuss. Read the frequently asked questions first, then skip to the part that deals with your degree.

Frequently asked questions

Do I have to be full-time?
Yes. All undergraduate degrees in the Faculty of Architecture are full-time degrees.

Other reasons you may need to be full-time:
- Public transport concessions are only available to full-time students
- International students MUST be enrolled full-time.
- Scholarship students frequently have to be enrolled full-time
- AUSTUDY and other forms of benefits often require full-time study. Check with Centrelink.

How many credit points must I take each semester?
You must take at least 18 credit points per semester to be a full-time student. The standard full time load required to complete your degree in minimum time is 24 credit points per semester. You may not take more than 30 credit points in one semester.

Do I have to choose units of study for the whole year at enrolment?
Yes. The University requires that you choose your enrolment for the whole year if you are enrolling in Semester One, or just for Semester Two if you are commencing in Semester Two.

What if I change my mind about the units of study I have chosen?
It is advised that you choose your subjects carefully but you can vary your enrolment at any time up to the end of the second week of classes. After that you are subjected to restrictions. There is a table of important dates at the front of the handbook. Please refer to it frequently at the start of each semester.

How do I change my enrolment after enrolment day?
You are strongly encouraged to use the web enrolment variation system available through My Uni (http://myuni.usyd.edu.au) to add or drop units of study. You may also come to the counter of the Student Administration Centre on level 2 of the Wilkinson Building during counter hours if you need help.

How do I get a timetable?
You will download your personalised timetable from MyUni in Orientation Week, that is, the week before classes start. Before that time the Faculty of Architecture will make available draft timetable information on its website, (http://www.arch.usyd.edu.au) on noticeboards outside the Faculty of Architecture Student Administration Centre and at enrolment.

Can I get credit for previous tertiary study?
If you have already completed some study at university or TAFE you may be eligible for some credit towards your degree. You must:

1. Complete a credit request form.
   - If your study was at a university other than the University of Sydney you MUST supply ORIGINAL academic transcripts, unit of study (subject) descriptions and documentation concerning the requirements for that degree (i.e. duration, credit points for completion, credit points for the individual units of study).

2. Discuss your credit application with the Associate Dean – you may be able to reach agreement on credit quickly on enrolment day.
   - If we cannot assess your credit immediately then enrol in the normal program of study. We will write to you once we have assessed your credit (before classes start) and you must then choose new units of study with that in mind.

Where do I find the full requirements of the degree and unit choices for second year?
The Faculty of Architecture Handbook is the place where all the rules for the completion of your degree are kept. Look for the chapter called 'Undergraduate degree regulations'. It also contains important tables of units of study and unit of study descriptions relevant to your degree.

The 2007 handbook is available online at http://www.usyd.edu.au/handbooks/; for sale at the Student Centre, Carslaw building; for sale through the handbooks website; or to browse in any University library.

How do I enrol in later years of my degree?
In October each year you will be invited to ‘pre-enrol’ for the following year. Instructions will be issued to you by the University and the Faculty through your University email account. It will then be up to you to re-examine the handbook and advise the Faculty of Architecture of the units of study you intend to take the following year.

Who can I ask for help with my enrolment?
If you need help to change your enrolment, or advice on any matter relating to your enrolment, you should contact the Faculty of Architecture Student Administration Centre.

Phone: +61 2 9351 3248
Fax: + 61 2 9036 9532
Email: sac@arch.usyd.edu.au

The SAC counter hours for in person enquiries are:
Monday and Wednesday: 10am–4pm (closed 12.30pm–1.30pm)
Tuesday and Thursday: 10am–6pm (closed 2pm–4pm)
Friday: 10am–12noon

During non teaching periods the counter will close at 5pm on Tuesdays and Thursdays.
Bachelor of Design in Architecture enrolment guide

What units do I have to choose at enrolment?
In the first year all students complete 18 credit points of core units of study and 6 credit points of elective units of study each semester. The core units of study are as follows:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>DESA1001</td>
<td>Design Practice 1A</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>DESA1101</td>
<td>Design Studies 1A</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td>DESA1002</td>
<td>Design Practice 1B</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>DESA1102</td>
<td>Design Studies 1B</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total for the year</strong></td>
<td><strong>48</strong></td>
</tr>
</tbody>
</table>

What electives should I choose today?
AWS1001 Architectural Sketching and Drawing is recommended, but not compulsory, for all first year students.

The electives you take may be determined by the stream you want to complete. Alternatively, you may choose to experiment and take electives from different areas to help you decide by the end of the first year which stream (if any) interests you. Remember, you can change your mind later if you want to.

You can choose your electives from units offered by the Faculty of Architecture, or from the faculties of Arts, Economics, Engineering or Science (timetable permitting).

The units of study offered as first year electives by the Faculty of Architecture are:

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWSS1001</td>
<td>Architectural Sketching &amp; Drawing</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>DECO2103</td>
<td>3D Modelling</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>DESP1001</td>
<td>Introductory Urban Design and Planning</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>DESA1004</td>
<td>Designing with Surfaces &amp; Light</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>DESA1005</td>
<td>Mathematics &amp; Science in Architecture</td>
<td>6</td>
<td>1</td>
</tr>
</tbody>
</table>

Assumed knowledge
There are no formal prerequisites for students wishing to enrol in the Bachelor of Design in Architecture. The degree is, however, taught on the assumption that students will have successfully completed HSC 2 Mathematics, Advanced Mathematics and Advanced English or have the equivalent knowledge. The Faculty offers a first year unit in Mathematics and Science for Architecture designed to bridge the gap for students who are weak in these areas. Alternatively, students can attend one of the bridging courses in mathematics offered by the Mathematics Learning Centre (see the General University information chapter of this handbook). A series of diagnostic tests is carried out in the first week of Design Practice to identify students at risk.

What is a stream and do I need to take one?
A stream is a guided set of electives relating to that specialisation. It is not a requirement to enrol in a stream. However, students of the Bachelor of Design in Architecture may complete one of the following streams, which will be recorded on your testamur (degree certificate) at the completion of the degree:

- Allied Arts in Architecture
- Digital Architecture
- Urban Design and Planning

If it is your choice to add a stream, you will need to inform the Student Administration Centre by the start of your third year of study, and you are advised to plan your enrolment carefully from first year. You should examine Table A in the Handbook for the units of study that count towards the stream, and their availability. There are degree planners in the chapter of the Handbook relating to the Bachelor of Design in Architecture to help you.

Bachelor of Design Computing enrolment guide

What units do I have to choose at enrolment?
The first year of the Bachelor of Design Computing is a set curriculum. All students must choose the following units of study:

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>DESO1100</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>DESO1006</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESO1007</td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td>DESO1200</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>DESO1005</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESO1008</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Total for the year</strong></td>
<td><strong>48</strong></td>
</tr>
</tbody>
</table>
Bachelor of Architecture enrolment guide

The following table lists the Mandatory units of study and the semesters in which they should be taken. Table C: Bachelor of Architecture lists all the available units of study for the degree. Electives may also be chosen from Table G, the Table of graduate units of study. Both tables are in later chapters of the handbook.

<table>
<thead>
<tr>
<th>Subject area</th>
<th>Credit points shown in brackets</th>
<th>Floating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Semester 1</td>
<td>Semester 2</td>
</tr>
<tr>
<td>Design</td>
<td>ARCH 4101</td>
<td>ARCH 4201</td>
</tr>
<tr>
<td>• 36 credit points</td>
<td>Architectural Design Studio A (6)</td>
<td>Architectural Design Studio B (6)</td>
</tr>
<tr>
<td>• 37.5% of BArch</td>
<td>Architectural Design Studio B (6)</td>
<td>Architectural Design Studio C (6)</td>
</tr>
<tr>
<td>• 46% of mandatory credit points</td>
<td>Architectural Design Studio C (6)</td>
<td>Architectural Design Studio D (12)</td>
</tr>
<tr>
<td>Architectural Science and Technology</td>
<td>ARCH 4202</td>
<td>ARCH 4203</td>
</tr>
<tr>
<td>• 19% of BArch</td>
<td>ARCH 4202</td>
<td>ARCH 4203</td>
</tr>
<tr>
<td>• 23% of mandatory credit points</td>
<td>Architectural Structures and Materials (6)</td>
<td>Design Technology 2 (6)</td>
</tr>
<tr>
<td>Cultural Studies</td>
<td>ARCH 4102</td>
<td>ARCH 4103</td>
</tr>
<tr>
<td>• 12.5% of BArch</td>
<td>ARCH 4102</td>
<td>ARCH 4103</td>
</tr>
<tr>
<td>Professional Practice</td>
<td>ARCH 4201</td>
<td>ARCH 5301</td>
</tr>
<tr>
<td>• 12.5% of BArch</td>
<td>Preparatory Advanced Study Report (6)</td>
<td>Advanced Study Report (6)</td>
</tr>
<tr>
<td>• 15% of mandatory credit points</td>
<td>Preparatory Advanced Study Report (6)</td>
<td>Advanced Study Report (6)</td>
</tr>
</tbody>
</table>

Mandatory credit points: 18 18 6 18

Electives

• 18 credit points
• 19% of BArch

Electives

• 18 credit points
• 19% of BArch

Electives

• 18 credit points
• 19% of BArch

Electives

• 18 credit points
• 19% of BArch
5. Enrolment guide for new undergraduates
6. Bachelor of Design in Architecture

Overview
The Bachelor of Design in Architecture along with its streams Allied Arts in Architecture, Digital Architecture and Urban Design and Planning is focused on learning about designing in the built environment. The program is structured around a required set of core units of study, with a choice of streams and a range of elective units of study within and outside the Faculty.

Students in this program can graduate after three years with a
- Bachelor of Design in Architecture
- Bachelor of Design in Architecture (Allied Arts in Architecture) or
- Bachelor of Design in Architecture (Digital Architecture) or
- Bachelor of Design in Architecture (Urban Design and Planning)

by selecting the appropriate stream. You may choose to do an additional Honours year – see the chapter relating to honours later in this handbook.

The program is designed to provide you with maximum flexibility to allow you to pursue particular interests while participating in the core of the program with its focus on design in the built environment. Possible pathways and areas of interest include the three streams, particular areas of specialisation offered within the Architecture electives and other specialised areas offered as electives within the Faculty. Opportunities also exist for you to take units of study in other Faculties within the University.

If your interest is in becoming a professional architect, you can apply to continue to the second undergraduate program in the Faculty, the Bachelor of Architecture. However to gain entry to this program you will have to take a specific set of electives, commencing in third year, that are prerequisites for entry to that program and complete the Architectural Experience Requirement (18 weeks of approved work experience or equivalent).

If you follow a particular interest and specialised stream, you may decide to pursue graduate study in a workplace-linked program by applying for enrolment in a graduate certificate, graduate diploma or master degree. As a graduate with a broad education as well as a specialised focus, you will be able to work in diverse private and government arenas, as well as in specialised areas as a designer, in architectural practice, in digital media, and with further study, as a planner. Other areas of graduate specialisation within the Faculty include urban design, heritage conservation, illumination design, audio design, facilities management, sustainable design.

Graduates of the Urban Design and Planning stream may complete a Master of Urban and Regional Planning in one year, rather than the normal 18 months for most students.

In summary the Bachelor of Design in Architecture program will be concerned with:
- understanding and practising design in the built environment;
- providing a broad architectural design education, which is also broad design education, concerned with all aspects of the built environment; and
- providing the basis for more specialised study in areas related to the design of the built environment that can be taken as streams or areas of interest within streams.

Philosophy of the Bachelor of Design in Architecture

Situated, knowledge-based design
The program is underpinned by a strong philosophical approach. This approach is based on design theory, research and practice; educational theory, research and practice and research in areas relevant to design such as to problem solving and the development of expertise.

The key features of this approach are:
- Focus on the design process
The design process is the main focus of learning about designing. It is a complex, iterative, interpretive and integrative process that inherently has the potential for innovative and creative responses.

- Designing as a situated activity
Designing is a situated activity, that is it can only occur in the specific context established by a particular design problem. It requires the recognition, discovery and use of particular knowledge as it relates to the context established by the design problem. Learning to design involves establishing the physical setting that allows situated learning to occur.

- Reflective practice
Reflective practice is central component in the learning and practising of design. Reflection on and reinterpretation of the many areas involved in designing form the basis for learning and practice. These areas include the representations of physical forms, the knowledge required and used, the processes of designing, and interactions of people involved in that process. Useful reflective practice may take both structured and unstructured forms, and range from immediate to reflective review.

- Knowledge-based design
Many types of knowledge are relevant to solving a design problem. These have traditionally been taught as separate units of study in a design education. Often these units of study do not have a direct relationship to activities associated with learning how to design or to the selection of the design problem that forms the basis for these activities. A central aspect of the program involves a reconceptualisation of the various types or domains of knowledge associated with design and how this knowledge relates to the design problems used to learn how to design.

The program identifies three areas of knowledge relevant to design. These are referred to as Inhabiting the Built Environment, Designing the Built Environment and Constructing the Built Environment. All of the areas of domain knowledge using more conventional terms like structures and materials or user studies can be mapped into these three areas. These areas form the integrated collaborative core of the program and it is this knowledge which is used to develop the design problems to be used as the basis for learning how to design.

The following outlines the types of knowledge in each of these areas.
Inhabiting the built environment
This area of knowledge includes knowledge of natural systems and built environments and the way people interact with these as individuals, as a society and as professionals; environmental and contextual issues including psychological considerations in design; planning, urban design, landscape and natural systems; knowledge of society, clients and users; social context; ergonomic and space requirements.

Designing the built environment
This area of knowledge includes knowledge of design theories and methods, procedures and systems and the history of design methodology, design precedent, critique and analysis and movements in design theory, movements in aesthetics, design cognition, and design principles; knowledge of historical and cultural precedent, the history and theory of western, non-western, regional and indigenous architecture; awareness of philosophical, cultural and political movements and movements in art, design, music and literature; issues of heritage and conservation in the built environment.

Constructing the built environment
This area of knowledge includes technical knowledge of structure, materials, construction and services systems; awareness of technical documentation, cost control and planning; built environment procurement issues including financial and legal constraints; performance; management; adaptive re-use; aspects of urban design and planning; codes, regulations and standards for safety and use; introduction to facilities management including brief writing and post-occupancy evaluation.

It is also possible to recognise three types of knowledge within each area. These are conceptual knowledge (knowledge of facts, principles, concepts), precedent knowledge (knowledge of how conceptual knowledge has been used in designed objects), and procedural knowledge (ways of doing, skills).

Collaborative practice
As the activity of designing involves the integration of areas of knowledge it also requires collaboration between experts in these areas. The acquisition of collaborative and team skills forms a further central component of the program.

Progressive use of knowledge
A design education must involve both the development of coherent sets of knowledge and an integrated and progressive sequence of situated learning activities. The ability to integrate and apply complex knowledge in designing is a mark of expertise. To gain this expertise, learning must be developed progressively, integrating previous knowledge and abilities with new knowledge.

Competencies and abilities
The design activity of the program will develop the abilities of students to apply the different types of knowledge in unfamiliar situations, from awareness at a general knowledge level, through competence to excellence and finesse. The core of the program will require demonstration of the ability to apply knowledge at a competent to excellent level, while streams and electives may start with the requirement of a more general ability to demonstrate ‘knowing about’.

Objectives
The Bachelor of Design in Architecture will produce graduates at a pre-professional and pre-research level who will:

- understand the broad social, cultural, aesthetic, environmental and technological issues involved in the design of the built environment;
- be able to identify critical knowledge relevant to the design and planning of the built environment;
- be able to carry out competently appropriate design processes which integrate and resolve this knowledge in order to develop design intentions and strategies for small to medium scaled components of the built environment which realise as design representations social, cultural, aesthetic, environmental and technological values;
- be able to reflect competently on and evaluate their design process in order to improve the outcomes of these processes, in both pre-research and pre-professional contexts;
- understand the cultural, social and historical context of their own and others’ design processes;
- understand the roles of both practice and research in the design of the built environment and possess the skills and knowledge to make an informed choice on entering a research or practice career path;
- have an awareness of the issues involved in designing a more sustainable built environment; and
- possess a sense of their ethical responsibilities.

Streams in the Bachelor of Design in Architecture

Allied Arts in Architecture
The Bachelor of Design in Architecture (Allied Arts in Architecture) offers students the opportunity to specialise in art as it relates to architecture, while completing their major studies in architecture. The stream is structured so that the student starts with a general approach and finishes with a focus on the growing fields of public art and site-specific art. The stream consists of mandatory and elective units of study. The mandatory units are AWSS2001 Public Art (6 credit points) and AWSS2002 Site Specific Art (6 credit points) in the third year. Many students interested in this stream will also complete AWSS1001 Architectural Sketching and Drawing (6 credit points) in their first year. Students can choose additional units from a wide range of Allied Arts in Architecture electives; photography, digital video, web art and design, drawing, painting, mixed media, ceramics, sculpture, object design, screen printing on paper and fabric, print-making and graphic design.

To construct an Allied Arts in Architecture stream best suited to each individual it is suggested that students speak with the coordinator of the stream, Ms Jan Fieldsend. Students can build a particular emphasis into the stream itself so that they focus on, for example, three-dimensional forms or photography or design or the decorative arts as they relate to architecture. It is also expected that students will keep an ongoing, informal resource diary during second and third years to collate ideas, images and a bibliography about art and architecture. This diary will form a strong basis for ongoing research.

The mandatory senior units of study, Site Specific Art and Public Art, allow the student to focus on an area of particular relevance to contemporary architects and planners in that the units specifically look at place and space and how art and architecture can be thought about in dynamic and imaginative ways. It is anticipated that students of the stream will take these units in their third year.
On the successful completion of the Allied Arts in Architecture stream students will have: an awareness of current thinking and practice in various art media, knowledge and insight about the relationship of art to architecture and from that point be able to develop critical analysis and further research, have a set of technical skills in various media, and the ability to develop and translate ideas in various art media and written work in relation to architecture.

Students will be able to further develop their research in the BArch degree by completing an Advanced Study Report and other criteria as set out in the handbook.

This stream is also relevant to those contemplating taking graduate programs in Architecture or in Urban Design.

Urban Design and Planning

The units of study in the Urban Design and Planning stream provide Bachelor of Design in Architecture students with the opportunity to extend their design skills, working with a wider set of contextual variables such as nearby activities, access, pedestrian provisions and views. Skills in developing proposals (for buildings, sites and local areas) which fit the context and create desirable public places are given a strong emphasis. Students are taught to work at a range of scales using various forms of representation. Particular attention is given to developing skills in preparing site analyses and local area studies, and with constructing basic reasoning to explain and justify proposals.

The introductory unit is based on lectures and on two case projects that require students’ simple analyses, before moving to interpreting key points and making simple design proposals.

The senior urban design and planning units are taught as interactive workshops, where each student prepares and presents reports on urban design and planning projects.

Assessment in these workshops is based on a workbook presenting ongoing, preparatory work, with critical and reflective comments, besides presenting the final responses. Equal weight is given to the graphic presentation of proposals or background studies, and to a short report that explains and justifies the proposals.

Bachelor of Design in Architecture enrolment guide

The Bachelor of Design in Architecture is a three year degree, or four years with honours. In order to qualify for the degree candidates must complete the requirements as specified in the resolutions of the Senate and Faculty for this degree. All students should read the degree resolutions later in this handbook and monitor their progress throughout the degree by reference to them. The following points summarise the resolutions but do not replace them.

Summary of requirements

In order to qualify for the award of the pass degree candidates:

- must maintain a full-time enrolment (18 credit points or more per semester – a normal full-time load is 24 credit points per semester, the maximum allowed is 30 credit points per semester);
- must complete successfully 144 credit points;
- must complete successfully 90 credit points from the core units as described in Table A;
- must complete successfully at least 18 credit points from the Architecture Electives as described in Table A;
- may complete the requirements for an additional stream as described in Table A;
- may complete no more than 18 credit points from Allied Arts or Digital Media electives unless in the Allied Arts in Architecture or Digital Media streams;
- may complete no more than 18 credit points from units of study offered by other faculties;
- must complete successfully the remainder elective units of study from those listed in Table A;
- may, with the permission of the unit coordinator concerned, enrol in elective units of study from Table G, the Faculty’s table of graduate units, provided they have completed at least 96 credit points with a WAM of at least 70.

Progression in the Bachelor of Architecture

It is a requirement of the Bachelor of Design in Architecture that you pass ALL core units for the degree. To manage this, the Faculty has created a series of thresholds through which you must pass in order to progress to the next stage.

Transition

The Faculty recognises that in the first year many students experience difficulty making the transition to tertiary study, which requires much more independence than school study. At the same time, there are things that are essential to the degree that must be mastered before you can progress.

Design practice

Design practice is central to the Bachelor of Design in Architecture and the teaching is structured in such a way that the knowledge and skills learned in one semester build on those learned in the previous semester. You are required to pass Design Practice 1A before you will be allowed to proceed to 1B, and 1B before you proceed to 2A and so on. A fail in any Design Practice unit will prevent progression to the next unit, causing a 12 month delay in your studies.

Design Studies

Design Studies is core to the degree but is taught in relatively self contained units that complement the work in Design Practice. If you fail Design Studies 1A you will be allowed to progress to 1B. If you fail Design Studies 1B you will be allowed to progress to Design Studies 2. BUT you are required to re-enrol in the failed units and pass them in their own right. A pass in Design Studies 2 will NOT result in a retrospective pass in a failed first year Design Studies unit. Design Studies units are composed of modules. You are required to pass all modules in the unit to pass the unit as a whole. A fail in any one module will result in a fail of the unit and a re-enrolment in the unit to pass it.

Progression to Year 3

You will not be permitted to enrol in Design Practice 3A unless you have passed ALL first and second year core units including ALL the Design Studies series. You will not be allowed to proceed to Design Practice 3B until you pass Design Practice 3A.
Bachelor of Architecture prerequisites
Candidates who wish to proceed to the Bachelor of Architecture must include the prerequisite units of study described in Table A. Other conditions apply to entry to the Bachelor of Architecture and intending students should read the information for that degree.

Honours
In order to qualify for the honours degree candidates must satisfy the requirements for the pass degree with a Weighted Average Mark of at least 70 and in addition successfully complete 48 credit points consisting of a research thesis. Honours may only be undertaken on a full-time basis. For more information about honours see the chapter of the handbook about undergraduate honours.

Planning your degree
The program has been designed so that the core units should be taken in a certain order and the elective units for the stream fitted with them. Students intending to proceed to the Bachelor of Architecture should complete the prerequisite units of study in their final year. Students are advised to carefully consider which stream or streams interest them and plan their elective units accordingly. Enrolment planners for the different streams follow. They offer examples only – you should arrange your program to suit your interests and degree plan.

# Bachelor of Design in Architecture

**BACHELOR OF DESIGN IN ARCHITECTURE 144cp constituted as follows**

<table>
<thead>
<tr>
<th>CORE UNITS OF STUDY</th>
<th>ARCHITECTURE ELECTIVES UNITS OF STUDY</th>
<th>DIGITAL ARCHITECTURE STREAM Bachelor of Design in Architecture (Digital Architecture)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 cp</td>
<td>18 cp (senior) minimum</td>
<td>18 cp minimum</td>
</tr>
</tbody>
</table>

- Select from list of Core units of study

**URBAN DESIGN AND PLANNING STREAM Bachelor of Design in Architecture (Urban Design and Planning)**

- 18 cp minimum
- 6 junior cp + 12 senior cp
- Select from Urban Design and Planning stream units of study

**ALLIED ARTS IN ARCHITECTURE STREAM Bachelor of Design in Architecture (Allied Arts in Architecture)**

- 18 cp minimum
- Select from Allied Arts in Architecture stream units of study

**ELECTIVE UNITS OF STUDY**

- 18 cp maximum

- Either a second stream or Select elective units of study, including Architecture Electives, streams, electives, other faculties and graduate units (in 3rd year)

- Select from list of Architecture Elective units of study

**ELECTIVE UNITS OF STUDY**

- 18 cp maximum

- Either a second stream or Select elective units of study, including Architecture Electives, streams, electives, other faculties and graduate units (in 3rd year)

- Select from elective units of study including Allied Arts electives (max. 18cp), Digital Architecture electives (max. 18cp) electives from other faculties (max. 18 cp), Urban Design & Planning electives and graduate units (in 3rd year).

Bachelor of Architecture prerequisites
Candidates who wish to proceed to the Bachelor of Architecture must include the prerequisite units of study described in Table A. Other conditions apply to entry to the Bachelor of Architecture and intending students should read the information for that degree.

Honours
In order to qualify for the honours degree candidates must satisfy the requirements for the pass degree with a Weighted Average Mark of at least 70 and in addition successfully complete 48 credit points consisting of a research thesis. Honours may only be undertaken on a full-time basis. For more information about honours see the chapter of the handbook about undergraduate honours.
### Bachelor of Design in Architecture

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<th>Unit of study</th>
<th>Credit points</th>
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<td>Semester 1</td>
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<tr>
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<tr>
<td></td>
<td>Elective</td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
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<td></td>
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<td>Elective/Arch elective</td>
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<tr>
<td>Semester 2</td>
<td>DESA2002 Design Practice 2B</td>
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### Bachelor of Design in Architecture (Allied Arts in Architecture)

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<td>AWSS1001 Architectural Sketching &amp; Drawing</td>
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<td></td>
<td>Elective/Arch elective</td>
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<tr>
<td>Semester 2</td>
<td>DESA2002 Design Practice 2B</td>
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## Bachelor of Design in Architecture (Digital Architecture)

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<td>DESA1102 Design Studies 1B</td>
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<td>DECO2101 Digital Image Design &amp; Rep</td>
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## Bachelor of Design in Architecture (Urban Design and Planning)

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<th>Unit of study</th>
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<tr>
<td></td>
<td>DESA1102 Design Studies 1B</td>
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<tr>
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<td>DESPT1001 Introductory Urban Design &amp; Planning</td>
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<table>
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<td>DESPT2001 Planning for the Public Domain</td>
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<td>Semester 2</td>
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<td>DESPT2002 Planning for the Built Environment</td>
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Table A: Bachelor of Design in Architecture

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<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td><strong>Core units of study</strong></td>
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<tr>
<td>Candidates are required to complete all of the following core units.</td>
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<td><strong>Junior units of study</strong></td>
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<tr>
<td>DESA1001 Design Practice 1A</td>
<td>12</td>
<td>A HSC Mathematics, HSC English Standard</td>
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<td></td>
<td>Semester 1</td>
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<tr>
<td></td>
<td></td>
<td>C DESA1101</td>
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<tr>
<td>DESA1101 Design Studies 1A</td>
<td>6</td>
<td>A HSC Mathematics and HSC English Standard or equivalent.</td>
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<td>P DESA1001</td>
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<td>N DESA2101</td>
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<td>Candidates wishing to proceed to the Bachelor of Architecture are required to complete the following prerequisite units. These may also be used to count towards the Architecture Electives.</td>
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6. Bachelor of Design in Architecture

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## Unit of study Credit points A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition Session

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<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
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<td>Semester 2</td>
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<tr>
<td>AWS2027 Sculpture</td>
<td>6</td>
<td>N DESA2636</td>
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<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
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<tr>
<td>AWS2028 Web Art and Design</td>
<td>6</td>
<td>N DESA2646</td>
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<tr>
<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
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</tr>
<tr>
<td>AWS2090 Advanced Art Studio</td>
<td>6</td>
<td>P Any AWSS unit with a result of Credit or better</td>
<td>N DESA2608, DESA2609</td>
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</tbody>
</table>
Digital Architecture Stream

The minimum requirement is 18 credit points from the following units of study. Candidates not enrolled in the Digital Architecture stream are restricted to a maximum of 18 credit points from DECO units.

**Senior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO2101 Digital Image Design &amp; Representation</td>
<td>6</td>
<td>N DECO1001, DECO1100</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DECO2102 Interactive Multimedia Design</td>
<td>6</td>
<td>P DECO2101</td>
<td>N DECO1002, DECO2002, DECO1200</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DECO2103 3D Modelling</td>
<td>6</td>
<td>N DECO1008</td>
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<td>Semester 2</td>
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<tr>
<td>DECO2204 Principles of AutoCAD</td>
<td>6</td>
<td>N DESA1202, DESC9101, DESC9163</td>
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<td>Semester 2</td>
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<tr>
<td>DECO2205 Principles of ArchiCAD</td>
<td>6</td>
<td>N DESA1201, DESC9100, DESC9162</td>
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<td>Semester 1</td>
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</table>

Urban Design and Planning Stream

The minimum requirement is 18 credit points from the following units of study.

**Junior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESP1001 Introductory Urban Design and Planning</td>
<td>6</td>
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<td>Semester 2</td>
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</table>

**Senior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESP2001 Planning for the Public Domain</td>
<td>6</td>
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<td>Semester 1</td>
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<tr>
<td>DESP2002 Planning for the Built Environment</td>
<td>6</td>
<td></td>
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<td>Semester 2</td>
</tr>
</tbody>
</table>

**Elective units of study**

A maximum of 18 credit points of elective units may be chosen from other faculties - see the relevant faculty handbook for details of units offered. Candidates who have passed 96 credit points with a Credit average may request permission to enrol in graduate units from Table G, the table of graduate units of study in this handbook.

**Junior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESA1004 Designing with Surfaces and Light</td>
<td>6</td>
<td></td>
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<td>Semester 2</td>
</tr>
<tr>
<td>DESA1005 Mathematics and Science in Architecture</td>
<td>6</td>
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</table>

**Senior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAAE2005 Designing with Colour 1</td>
<td>6</td>
<td>A DESA2612 or DESA1004</td>
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<td></td>
<td>Semester 1</td>
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<tr>
<td>DAAE2006 Designing with Colour 2</td>
<td>6</td>
<td>P DAAE2005 or DESA2610</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>DECO2010 Collaborative Virtual Environments</td>
<td>6</td>
<td>P DECO (1100 and 1200) or (2101 and 2102) or INFO (1000 or 1003) N DECO2005</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DECO2011 Design Programming</td>
<td>6</td>
<td>N SOFT1001</td>
<td></td>
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<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DECO2012 Sound Design and Sonification</td>
<td>6</td>
<td>N DECO2607</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>DECO2013 Generative Design Systems</td>
<td>6</td>
<td>P DECO2011 or SOFT1001 N DECO2601, DECO2602, DECO2603</td>
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<td>Semester 2</td>
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</table>
### 6. Bachelor of Design in Architecture

#### Unit of study

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO2606 Real Time 3D Multimedia</td>
<td>6</td>
<td>P DECO (1008 or 2103) and (SOFT1001 or DECO2011)</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing and BST students will receive preference.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>DECO3003 Design Computing Research Opportunity</td>
<td>6</td>
<td>A Computer programming.</td>
<td>P 96 credit points and minimum WAM of 65. Note: Department permission required for enrolment Non Architecture students may apply directly to the Faculty of Architecture.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DECO3005 Advanced Interactive Multimedia Design</td>
<td>6</td>
<td>P DECO (1200 or 2102 or 2002) N DESC9142</td>
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<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td></td>
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<td>Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing and BST students will receive preference.</td>
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<tr>
<td>DECO3006 Principles of 3D Animation</td>
<td>6</td>
<td>P DECO (1003 or 1008 or 2103) N DESC9019, DESC9141</td>
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<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enrolment limited by teaching resources. If your attempt to enrol online is refused please apply directly to the Faculty of Architecture. First preference given to third year students in the Bachelor of Design Computing or the Bachelor of Science &amp; Technology.</td>
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</tr>
<tr>
<td>DECO3007 Designing Tangible Computing</td>
<td>6</td>
<td>P DECO (1200 or 2102) and (DECO2011 or SOFT1001)</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing and BST students will receive preference.</td>
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</table>

#### General Electives

**Senior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH3551 Architecture General Elective A</td>
<td>6</td>
<td>P 48 credit points.</td>
<td></td>
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<td></td>
<td>Semester 1</td>
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<td></td>
<td></td>
<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>ARCH3552 Architecture General Elective B</td>
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<td>P 48 credit points.</td>
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<td>Semester 1</td>
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<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>ARCH3553 Architecture General Elective C</td>
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<td>P 48 credit points.</td>
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<td>Semester 1</td>
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<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
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<td>Semester 2</td>
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<tr>
<td>ARCH3554 Architecture General Elective D</td>
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<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
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<tr>
<td>DECO3551 Design Computing General Elective A</td>
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<td>P 48 credit points.</td>
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<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
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<tr>
<td>DECO3552 Design Computing General Elective B</td>
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<td>Semester 2</td>
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<td>DECO3554 Design Computing General Elective D</td>
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<td>P 48 credit points.</td>
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<td>Semester 2</td>
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<tr>
<td>DECO (1003 or 1008 or 2103) and (SOFT1001)</td>
<td></td>
<td>N DESC9019, DESC9141</td>
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<td></td>
<td>Semester 1</td>
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</table>

#### Independent Study Electives

**Senior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH3441 Architecture Independent Study A</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
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<td>Semester 1</td>
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<td>Semester 2</td>
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<tr>
<td>Unit of study</td>
<td>Credit points</td>
<td>A: Assumed knowledge</td>
<td>Session</td>
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</tr>
<tr>
<td>ARCH3442 Architecture Independent Study B</td>
<td>6</td>
<td>P 48 credit points and a WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<tr>
<td>ARCH3443 Architecture Independent Study C</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<tr>
<td>ARCH3444 Architecture Independent Study D</td>
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<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<tr>
<td>DECO3441 Design Computing Independent Study A</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<td>DECO3442 Design Computing Independent Study B</td>
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<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<tr>
<td>DECO3443 Design Computing Independent Study C</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>DESA3441 Design Architecture Independent Study A</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<tr>
<td>DESA3442 Design Architecture Independent Study B</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<tr>
<td>DESA3443 Design Architecture Independent Study C</td>
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<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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<tr>
<td>DESA3444 Design Architecture Independent Study D</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
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</table>

Honours units of study

Candidates enrol in A and B in their first semester and C and D in their second semester.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH4003 Dissertation and Research Methods A</td>
<td>12</td>
<td>P Completion of the Pass degree with a WAM of at least 70. Bachelor of Design in Architecture honours students only.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH4004 Dissertation and Research Methods B</td>
<td>12</td>
<td>C ARCH4003</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH4005 Dissertation and Research Methods C</td>
<td>12</td>
<td>C ARCH4004</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH4006 Dissertation and Research Methods D</td>
<td>12</td>
<td>C ARCH4005</td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>
Overview

The Bachelor of Design Computing program teaches design with a focus on the pragmatic, creative, and aesthetic possibilities of computer-expressed works.

Although once regarded as being only about Web site design, special effects, computer games and animation, digital design has infused architecture, industrial design, fashion, and the arts. The experimental digital practices of a vanguard of designers have promulgated a digital design culture whose aesthetic is defining both the means of conception, implementation, and industrial production of designed works and the aesthetic that is producible by new computing technologies. The Bachelor of Design Computing program responds to this convergence of design and computing. The academic program prepares graduates for careers in a style of design in which computation is integral to the performance of design.

More than simply learning industry de facto software tools for the production of designed works, the Bachelor of Design Computing program establishes new ways of doing design in which the modus operandi of computation is implicated in changing the course of the realisation of designed works. You will design works such as interactive digital media, virtual environments, digital audio, information visualisation, mobile-phone based applications, and digital art in the units of study. You will master advanced software from Adobe, Autodesk and Virtools for digital media production, modelling, and animation. You will learn programming in Java and Web-based languages. You will work with hardware such as sensors, information devices and high-end mobile phones. If imagining the world as it could be is your goal, the Bachelor of Design Computing program can give you the opportunity to develop your own design language.

Graduates from the Bachelor of Design Computing program have gone on to work in various design firms and design industries including computer gaming, Web design, media production, public relations and marketing, digital design consulting, start-up digital design firms, and digital design “think tanks.”

Programming

Programming is the glue between the conception and the implementation of your creative projects. The following units of study teach the fundamentals of computer programming within a visual design context; however, programming is situated in most units of study. Programming languages taught include PHP, Java, Javascript, and Processing. Students can increase their depth of knowledge of programming, which is still the most sought-after skill in industry, through elective units of study in the School of Information Technologies.

- Design Programming
- Generative Design Systems

Modelling

Modelling takes on two key directions in the Design Computing curriculum: modelling for the representation of form and simulation of the designed work such as with computer-aided design and animation, and modelling of the design process to enable the generative processes underpinning digital design. The latter is the trend in digital design, in which ever-more complex forms for designed works are impossible to conceive without the use of computing. Software utilised in these units of study include Maya, Virtools, and MySQL.

- 3D Modelling
- Principles of 3D Animation
- Design Data Management and Product Modelling

Interaction

The theme of interaction deals with designing for the contact surface between humans and computers. These units of study address issues in interaction design such as interface architectures, handling the feedback loop between humans and computers, and ease-of-use evaluation. Software used in these units of study include Director, Max/MSP+Jitter, and Virtools.

- Collaborative Virtual Environments
- Real Time 3D Multimedia
- Advanced Interactive Multimedia Design

Philosophy of the Bachelor of Design Computing

The are four knowledge areas of design computing that provide the basis for developing the students’ capacity to be both skilled crafters of digitally designed works and emerge as part of a new generation of digital design specialists:

Design

Masterful technical achievement with an attention to the interfacing of design, technology and originality of content, the design studios and lecture-based units of study serve as the principal forum for the conception and implementation of your designed works.

- Digital Design Studio
- Interaction Design Studio
- Information Visualisation Design Studio
- Human-Computer Experience Design Studio
- Sound Design and Sonicfication
- History and Theory of Multimedia and Animation
- Understanding Design and Cognition

Bachelor of Design Computing enrolment guide

The Bachelor of Design Computing is a three year degree, or four years with honours. The first year introduces the concept of design, CAD, Web page design, and programming. These units form the basic knowledge needed for a broad range of design computing topics in second year, and the integrated design computing studio in the third year. The electives allow the student to develop additional skills and knowledge in design computing, computer science, architectural design, or engineering.

In order to qualify for the degree candidates must complete the requirements as specified in the Resolutions of the Senate and Faculty for this degree. All students should read the degree resolutions and monitor their progress throughout the degree by reference to them. The following points summarise the resolutions but do not replace them.
Summary of requirements

In order to qualify for the award of the pass degree candidates:

- must maintain a full-time enrolment (18 credit points or more per semester – a normal full-time load is 24 credit points per semester, the maximum allowed is 30 credit points per semester);
- must complete successfully 144 credit points;
- must complete successfully 96 credit points from the core units of study as described in Table B;
- must complete successfully at least 24 credit points from elective units of study from those listed in Table B;
- may complete no more than 24 credit points from units of study outside Table B;
- may, with the permission of the unit coordinator concerned, enrol in elective units of study from Table G, the Faculty’s table of graduate units, provided they have completed at least 96 credit points with a WAM of at least 70.

Honours

In order to qualify for the honours degree candidates must satisfy the requirements for the pass degree with a Weighted Average Mark of at least 70 and in addition successfully complete 48 credit points consisting of a research thesis. In their third years students would normally enrol in the preparatory unit of study as an elective. Honours may only be undertaken on a full-time basis. For more information about honours see the chapter of the handbook about undergraduate honours.

Planning your degree

The program has been designed so that the core units should be taken in a certain order and the elective units fitted with them. An enrolment planner for the degree follows.

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### Bachelor of Design Computing planner

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>Understanding Design and Cognition</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Design Data Mgmt and Product Modelling</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Digital Design Studio</td>
<td>12</td>
</tr>
<tr>
<td>Semester 2</td>
<td>Hist and Theory of Multimedia and Animation</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>3D Modelling</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Interaction Design Studio</td>
<td>12</td>
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<td>48</td>
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<thead>
<tr>
<th>Year 2</th>
<th>Unit of study</th>
<th>Credit points</th>
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<tbody>
<tr>
<td>Semester 1</td>
<td>Collaborative Virtual Environments</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Design Programming</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>12</td>
</tr>
<tr>
<td>Semester 2</td>
<td>Sound Design and Sonification</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Generative Design Systems</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>12</td>
</tr>
<tr>
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<td>Total for Year 2</td>
<td>48</td>
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<th>Year 3</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>Information Visualisation Design Studio</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>12</td>
</tr>
<tr>
<td>Semester 2</td>
<td>Human-Computer Experience Design Studio</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Total for Year 3</td>
<td>48</td>
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</table>
Table B: Bachelor of Design Computing

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
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<tbody>
<tr>
<td>Core units of study</td>
<td></td>
<td></td>
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<tr>
<td>Candidates are required to complete all the core units of study listed in this table.</td>
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**Junior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO1005 Hist &amp; Theory of Multimedia &amp; Animation</td>
<td>6</td>
<td>N DECO2605</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DECO1006 Understanding Design &amp; Cognition</td>
<td>6</td>
<td>N DECO1004</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>DECO1007 Design Data Mgmt &amp; Product Modelling</td>
<td>6</td>
<td>N DECO2004, INFO2005</td>
<td></td>
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<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DECO1008 3D Modelling</td>
<td>6</td>
<td>N DECO2103</td>
<td></td>
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<td>Semester 2</td>
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<tr>
<td>DECO1100 Digital Design Studio</td>
<td>12</td>
<td>N DECO1011</td>
<td>Core unit for Bachelor of Design Computing and BST students only.</td>
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<tr>
<td>DECO1200 Interaction Design Studio</td>
<td>12</td>
<td>P DECO (1100 or 2101)</td>
<td>N DECO1021</td>
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**Senior units of study**

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<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO2010 Collaborative Virtual Environments</td>
<td>6</td>
<td>P DECO (1100 and 1200) or (2101 and 2102) or INFO (1000 or 1003)</td>
<td>N DECO2005</td>
<td></td>
<td></td>
<td>Semester 1</td>
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<tr>
<td>DECO2011 Design Programming</td>
<td>6</td>
<td>N SOFT1001</td>
<td></td>
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<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DECO2012 Sound Design and Sonification</td>
<td>6</td>
<td>N DECO2607</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>DECO2013 Generative Design Systems</td>
<td>6</td>
<td>P DECO2011 or SOFT1001</td>
<td>N DECO2601, DECO2602, DECO2603</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>DECO3100 Information Visualisation Design Studio</td>
<td>12</td>
<td>P DECO (1100 and 1200) or DECO (2101 and 2102) or DECO (2012 and 2013)</td>
<td>N DECO3001</td>
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<td>Semester 1</td>
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<tr>
<td>DECO3200 Human-Computer Experience Des Stdo</td>
<td>12</td>
<td>P DECO3000 or DECO (2101 and 2102 and (DECO2011 or SOFT1001))</td>
<td>N DECO3002</td>
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<td>Semester 2</td>
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</tbody>
</table>

**Elective units of study**

Candidates are required to complete at least 24 credit points from the elective units of study listed in this table. The units are grouped into sub-disciplines. Candidates for the honours degree should include DECO 3008. Elective units may be chosen from other faculties - see the relevant faculty handbook for details of units offered. Candidates who have passed 96 credit points with a Credit average may request permission to enrol in graduate units from Table G, the table of graduate units of study in this handbook.

**Design Computing**

**Senior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>DECO2606 Real Time 3D Multimedia</td>
<td>6</td>
<td>P DECO (1008 or 2103) and (SOFT1001 or DECO2011)</td>
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<td>Semester 2</td>
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<tr>
<td>DECO3003 Design Computing Research Opportunity</td>
<td>6</td>
<td>A Computer programming.</td>
<td>P 96 credit points and minimum WAM of 65. Note: Department permission required for enrolment</td>
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<td>Semester 2</td>
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<tr>
<td>DECO3005 Advanced Interactive Multimedia Design</td>
<td>6</td>
<td>P DECO (1200 or 2102 or 2002)</td>
<td>N DECO9142</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>Unit of study</td>
<td>Credit points</td>
<td>A: Assumed knowledge</td>
<td>P: Prerequisites</td>
<td>C: Corequisites</td>
<td>N: Prohibition</td>
<td>Session</td>
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<tr>
<td>DECO3006 Principles of 3D Animation</td>
<td>6</td>
<td>P DECO (1003 or 1008 or 2103) N DESCA019, DESCA0141</td>
<td>Enrollment limited by teaching resources. If your attempt to enrol online is refused please apply directly to the Faculty of Architecture. First preference given to third year students in the Bachelor of Design Computing or the Bachelor of Science &amp; Technology.</td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DECO3007 Designing Tangible Computing</td>
<td>6</td>
<td>P DECO (1200 or 2102) and (DECO2011 or SOFT1001)</td>
<td>Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing and BST students will receive preference.</td>
<td>Semester 2</td>
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<tr>
<td>DECO3008 Design Computing Prep Hons Research</td>
<td>6</td>
<td>P 72 credit points and minimum WAM of 70 N DECO2604</td>
<td>Note: Department permission required for enrolment</td>
<td>Semester 1</td>
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**Allied Arts in Architecture**

**Junior units of study**

| AWSS1001 Architectural Sketching and Drawing | 6 | N DESA1601, DESA1602 | Students may incur costs for materials in some Art Workshops units. | Semester 1 |

**Senior units of study**

| AWSS2001 Public Art | 6 | N DESA2618 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 1 |
| AWSS2002 Site Specific Art | 6 | N DESA2619 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
| AWSS2012 Ceramics 2 | 6 | P DESA(2631 or 2634) or AWSS(2010 or 2011) | N DESA2644 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
| AWSS2013 Digital Video | 6 | N DESA2632 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
| AWSS2014 Printmaking | 6 | N DESA2630 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
| AWSS2015 General Drawing | 6 | N DESA2633 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
| AWSS2016 Graphic Design (Introduction) | 6 | N DESA2637 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
| AWSS2018 Life Drawing | 6 | N DESA2641 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
| AWSS2019 Mixed Media | 6 | N DESA2616 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
| AWSS2020 Object Design | 6 | N DESA2643 | Note: Department permission required for enrolment Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. | Semester 2 |
### Bachelor of Design Computing: Information Technology Electives

#### Junior units of study

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>AWS2022 Painting</td>
<td>6</td>
<td>N DESA2635</td>
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<tr>
<td>AWS2023 Photography 1</td>
<td>6</td>
<td>N DESA2629</td>
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<tr>
<td>AWS2024 Photography 2</td>
<td>6</td>
<td>P AWS2023 or DESA2629 or equivalent. Equivalence can be established by either presenting a portfolio of b&amp;w photographic work or by presenting a transcript indicating a minimum of a full semester unit in b&amp;w photography. N DESA2642.</td>
<td></td>
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<td></td>
<td>Semester 1, 2</td>
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<tr>
<td>AWS2025 Screen Printing on Fabric</td>
<td>6</td>
<td>N May not be counted with DESA 2639. Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Art Workshops with their request to enrol. Materials costs are incurred in some Art Workshops units.</td>
<td></td>
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<td>Semester 2</td>
</tr>
<tr>
<td></td>
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<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
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<td>AWS2026 Screen Printing on Paper</td>
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<td>N DESA2638</td>
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<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
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<td>AWS2027 Sculpture</td>
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<td>Semester 1, 2</td>
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<tr>
<td>AWS2028 Web Art and Design</td>
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<td>N DESA2640</td>
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<td>Semester 1, 2</td>
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<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
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<tr>
<td>AWS2090 Advanced Art Studio</td>
<td>6</td>
<td>P Any AWSS unit with a result of Credit or better N DESA2608, DESA2609</td>
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<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td></td>
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#### Design Architecture Electives

**Junior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESA1004 Designing with Surfaces and Light</td>
<td>6</td>
<td>N DESA2612</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2, Semester 2, Session 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
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**Senior units of study**

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<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
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<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAAE2005 Designing with Colour 1</td>
<td>6</td>
<td>A DESA2612 or DESA1004</td>
<td>DESA2610</td>
<td></td>
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<td>Semester 1, Semester 1</td>
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<tr>
<td></td>
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<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
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<tr>
<td>DAAE2006 Designing with Colour 2</td>
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<td>P DAAE2005 or DESA2610</td>
<td>DESA2611</td>
<td></td>
<td></td>
<td>Semester 1, Semester 1</td>
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<tr>
<td></td>
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#### Information Technology Electives

**Junior units of study**

<table>
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<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOFT1001 Software Development 1</td>
<td>6</td>
<td>A HSC Mathematics Extension 1</td>
<td>SOFT1901, COMP1001, COMP1901, DECO2011</td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
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</tr>
<tr>
<td>SOFT1002 Software Development 2</td>
<td>6</td>
<td>P SOFT (1001 or 1901) or COMP (1001 or 1901) or DECO2011</td>
<td>SOFT1902, COMP1002, COMP1902</td>
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<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</td>
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</table>

**Senior units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOFT2130 Software Construction 1</td>
<td>6</td>
<td>P SOFT (1002 or 1902) or COMP (1002 or 1902)</td>
<td>COMP (2004 or 2904) or SOFT (2904 or 2004 or 2830).</td>
<td>Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</td>
<td></td>
<td>Semester 2, Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Department permission required for enrolment. Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
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<tr>
<td>INFO2110 Systems Analysis and Modelling</td>
<td>6</td>
<td>P INFO(1003 or 1903 or 1000) or ISYS1003 or INF1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC units of study or DECO2011. N INFO (2005 or 2820 or 2900)</td>
<td>INFO (2000 or 2810 or 2900)</td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td></td>
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<td>Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</td>
<td></td>
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</tr>
<tr>
<td>INFO2120 Database Systems 1</td>
<td>6</td>
<td>P INFO(1003 or 1903 or 1000) or ISYS1003 or INF1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC) or DECO2011</td>
<td>INFO (2005 or 2820 or 2900)</td>
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<td></td>
<td>Semester 2, Semester 2</td>
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<td>Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</td>
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<tr>
<td>ISYS2140 Information Systems</td>
<td>6</td>
<td>P INFO(1003 or 1903 or 1000) or ISYS1003 or INF1000 or SOFT(1001 or 1901). N ISYS (2006 or 2007)</td>
<td>INFO (2000 or 2900)</td>
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<td></td>
<td>Semester 1, Semester 2</td>
</tr>
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<td>Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</td>
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</tbody>
</table>
### Unit of study Credit points A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition Session

#### General Electives

**Senior units of study**

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credit Points</th>
<th>P</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO3551</td>
<td>Design Computing General Elective A</td>
<td>6</td>
<td>P 48 credit points. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO3552</td>
<td>Design Computing General Elective B</td>
<td>6</td>
<td>P 48 credit points. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO3553</td>
<td>Design Computing General Elective C</td>
<td>6</td>
<td>P 48 credit points. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO3554</td>
<td>Design Computing General Elective D</td>
<td>6</td>
<td>P 48 credit points. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>

#### Independent Study Electives

**Senior units of study**

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credit Points</th>
<th>P</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO3441</td>
<td>Design Computing Independent Study A</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO3442</td>
<td>Design Computing Independent Study B</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO3443</td>
<td>Design Computing Independent Study C</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO3444</td>
<td>Design Computing Independent Study D</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.</td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>

#### Honours units of study

Candidates enrol in A and B in their first semester and C and D in their second semester.

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credit Points</th>
<th>P</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO4001</td>
<td>Design Computing Honours Research A</td>
<td>12</td>
<td>P Completion of the Pass degree. Students in the Bachelor of Design Computing will require a WAM of at least 70. Note: Department permission required for enrolment Students in the Faculty of Science should apply for honours to their own faculty office.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO4002</td>
<td>Design Computing Honours Research B</td>
<td>12</td>
<td>C DECO4001</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO4003</td>
<td>Design Computing Honours Research C</td>
<td>12</td>
<td>C DECO4002</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO4004</td>
<td>Design Computing Honours Research D</td>
<td>12</td>
<td>C DECO4003</td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>
8. Bachelor of Architecture

Overview

Aims of the Bachelor of Architecture

The basic aims of the professional Bachelor of Architecture program are to provide the knowledge, skills and experience that will equip the graduate to be an architect. The practice of architecture today is, however, extraordinarily diverse and complex and no course could provide training in depth for all areas of practice. It is therefore essential that students obtain from the course a firm grounding in fundamentals, an ability to think creatively and logically, and a capacity to explore for themselves those areas they wish to pursue in detail.

Objectives of the Bachelor of Architecture

Each architecture program has a particular bias or emphasis, within the guidelines for professional accreditation, based on the interests and strengths of the staff and departments and their vision for the future.

The program will enable:

• the student to gain the necessary knowledge and skills to become an architect, noting the increasing complexity and diversity of the architect’s role.

• the satisfaction, where possible, of the demands of the professional and statutory bodies for entry to the professional institute and to qualify for registration, with minimal additional examination, in the context of academic independence in the judgements it makes on the education it provides.

• the student to experience a range of attitudes and philosophies relating to architecture.

• the student to be exposed to and acquire a range of knowledge which is expected to result in graduates who can provide the community with the highest quality of architecture, including to be able to think clearly and be able to make reasoned judgements by having:

1. An understanding of and experience in architectural design;
2. A knowledge of the history of architecture;
3. A knowledge of theories of architecture;
4. A knowledge of the materials, construction practices and production methods which are essential to architecture;
5. The ability to absorb and interpret the needs of society and its peoples in relation to the built environment;
6. A basic understanding of those technical fields which contribute to architecture;
7. An understanding of the legal and professional responsibilities of practice as an architect; and
8. The ability to communicate clearly by oral, written and graphic means, and to organise and manage those aspects of the design and construction of a building which are the responsibilities of the architect.

Architectural design

An important aspect of becoming an architect is the cultivation of the imagination and independent thought combined with competence in action. The design units take this into account and these units are intended to emphasise the importance of people, purpose, place, environment and expression in the design of the built environment.

The design units take into account the growing importance of the city, as a place of home and work, and the need to reinterpret the metropolis in the context of globalisation and environmental issues. The design of civic as well as institutional and commercial buildings and spaces, understanding and interpreting place in the city fabric, as well as the way people in this region might live in the future, are significant design issues. The BArch program recognises that students need to develop their own ethical position, and provides opportunities through the units of study to do so.

Students are required to take four semesters of design in the BArch units offered in Semester One are vertically integrated so that fourth and fifth year students have the opportunity to work with, and learn from, each other. These units will provide choice of project and teacher, and a range of design issues for exploration.

Units offered in the July semester have a professional orientation, and will be integrated with technical units. In this way the constraints and challenges of practice are replicated, and learning is facilitated by case study and problem based learning. These units will help develop professional skills, knowledge and understanding.

The open studios in Semester One will focus more on the development of creative thinking, design ideas and philosophies, but will at all times offer options that deal with clients, communities, and professional issues. In all design units it is assumed that precedent is studied so as to better establish an understanding of building types and their users.

Professional recognition

Graduates who hold the degree of Bachelor of Architecture will be entitled to registration as architects under the Architects Act 1921 (NSW), subject to obtaining two years of approved practical experience, at least 12 months of which must be subsequent to graduation, and passing an architectural practice examination before registration.

Application for registration may be made to the NSW Architects' Registration Board, “Tusculum”, 3 Manning Street, Potts Point, 2011.

Students are eligible for student membership of the Royal Australian Institute of Architects. Student members receive each issue of Architecture Australia, the New South Wales chapter Bulletin, and the RAIA News. They may also attend Institute functions.

Admission to Associate Membership of the Royal Australian Institute of Architects is based on two years' approved practical experience.

Admission

The Resolutions of the Faculty (later in this book) specify the conditions of admission to the degree. In summary, an applicant for admission to the Bachelor of Architecture must:

• either complete the Bachelor of Design in Architecture, the Bachelor of Science (Architecture), or an equivalent degree;
• apply within six years of completion of the first degree.
• have completed the Bachelor of Architecture prerequisite units of study in their first degree, if proceeding from the Bachelor of Design in Architecture or the Bachelor of Science (Architecture)
have completed the Architectural Experience Requirement by completing the Bachelor of Design in Architecture or the Bachelor of Science (Architecture) with Honours or by one or more of the following:

1. Professional work experience as an employee in architecture (minimum of 18 weeks recorded in the Architects Accreditation Council of Australia (AACA) Log Book);
2. Field study in relation to architecture (including, but not limited to, international field study);
3. Professional work experience in a related industry (minimum of 18 weeks appropriately recorded);
4. Study at an Australian or overseas tertiary institution in a relevant discipline; or
5. A combination of methods (1)–(4) above.

Construction Induction Certificate – Green Card
Students entering the Bachelor of Architecture are strongly advised to undertake training for a Construction Induction Certificate, also known as a Green Card. This certificate provides standardised training in safe working practice on building sites. It is required by law if you intend to enter any building site in NSW and is administered by WorkCover NSW. Training is subcontracted to private providers. A one day course costs approximately $100. For more information including a directory of training providers please phone 131050 or visit the WorkCover NSW web site: www.workcover.nsw.gov.au/Training/ConstructionInduction/default.htm

Bachelor of Architecture enrolment guide

The Bachelor of Architecture is a two year degree and students with a sufficient WAM who complete the Preparatory Advanced Study Report and the Advanced Study Report may graduate with honours in the same timeframe. In order to qualify for the degree candidates must complete the requirements as specified in the resolutions of the Senate and Faculty for this degree (see chapter four). All students should read the degree resolutions and monitor their progress throughout the degree by reference to them. The following points summarise the resolutions but do not replace them.

Summary of requirements
In order to qualify for the award of the pass degree candidates:

- must maintain a full-time enrolment (18 credit points or more per semester – a normal full-time load is 24 credit points per semester, the maximum allowed is 30 credit points per semester);
- must complete successfully 96 credit points;
- must complete successfully 78 credit points from the core units of study as described in Table C;

Students may apply to commence study in the BArch program in either Semester 1 or 2.

Honours degree
Honours are determined by the Board of Undergraduate Studies based on the student’s performance in the 96 credit points of the degree. The Weighted Average Mark is used as the basis for assessment. To be eligible for the award of honours a student must complete the units ARCF4201 Preparatory Advanced Study Report and ARCF5301 Advanced Study Report, wherein the student demonstrates an ability to undertake individual research and its documentation, as well as have an overall Weighted Average Mark of 70. Honours is awarded in two classes: Class I, and Class II (with Divisions 1 and 2).

Planning your degree
The program has been designed so that some core units should be taken in a certain order and the remaining core and elective units fitted with them. An enrolment planner for the degree follows.
### Bachelor of Architecture enrolment planner

<table>
<thead>
<tr>
<th>Subject area</th>
<th>Credit points shown in brackets</th>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 3</th>
<th>Semester 4</th>
<th>Floating</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Design</strong></td>
<td></td>
<td>ARCH 4101</td>
<td>ARCH 4201</td>
<td>ARCH 5101</td>
<td>ARCH 5201</td>
<td>ARCH 6301</td>
</tr>
<tr>
<td>• 36 credit points</td>
<td></td>
<td>Architectural</td>
<td>Architectural</td>
<td>Architectural</td>
<td>Architectural</td>
<td>Design Studio</td>
</tr>
<tr>
<td>• 37.5% of BArch</td>
<td></td>
<td>Design Studio A (6)</td>
<td>Design Studio B (6)</td>
<td>Design Studio C (6)</td>
<td>Design Studio D (12)</td>
<td>Workshop A (6)</td>
</tr>
<tr>
<td>• 46% of mandatory credit points</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 or 3</td>
</tr>
<tr>
<td><strong>Architectural Science and Technology</strong></td>
<td></td>
<td>ARCH 4202</td>
<td></td>
<td>ARCH 5202</td>
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<td></td>
</tr>
<tr>
<td>• 18 credit points</td>
<td></td>
<td>Design Technology 1</td>
<td></td>
<td>Design Technology 2</td>
<td></td>
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</tr>
<tr>
<td>• 19% of BArch</td>
<td></td>
<td>(6)</td>
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<td>(6)</td>
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</tr>
<tr>
<td>• 23% of mandatory credit points</td>
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<td>ARCH 4203</td>
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<tr>
<td><strong>Cultural Studies</strong></td>
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<td>ARCH 4102</td>
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<td></td>
<td></td>
<td>ARCH 6104</td>
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<tr>
<td>• 12 credit points</td>
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<td>Architecture in the</td>
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<td></td>
<td>Theory in</td>
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</tr>
<tr>
<td>• 12.5% of BArch</td>
<td></td>
<td>20th Century (6)</td>
<td></td>
<td></td>
<td>Architecture (6)</td>
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</tr>
<tr>
<td>• 15% of mandatory credit points</td>
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<td></td>
<td>ARCH 6201</td>
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<tr>
<td><strong>Professional Practice</strong></td>
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<td>ARCH 4103</td>
<td></td>
<td>ARCH 6105</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 12 credit points</td>
<td></td>
<td>Contract Documentation</td>
<td></td>
<td>Studies in</td>
<td></td>
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</tr>
<tr>
<td>• 12.5% of BArch</td>
<td></td>
<td>(6)</td>
<td></td>
<td>Innovative</td>
<td></td>
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</tr>
<tr>
<td>• 15% of mandatory credit points</td>
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<td></td>
<td>Construction (6)</td>
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</tr>
<tr>
<td><strong>Mandatory credit points</strong></td>
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<td>18</td>
<td>18</td>
<td>6</td>
<td>18</td>
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<tr>
<td><strong>Electives</strong></td>
<td></td>
<td>ARCHCF 4201</td>
<td>ARCHCF 5301</td>
<td>ARCH 6105</td>
<td></td>
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</tr>
<tr>
<td>• 18 credit points</td>
<td></td>
<td>Preparatory</td>
<td>Advanced Study</td>
<td>Studies in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 19% of BArch</td>
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<td>Advanced Study</td>
<td>Report (6)</td>
<td>Innovative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 19% of BArch</td>
<td></td>
<td>Report (6)</td>
<td>(Semester 3 or 4)</td>
<td>Construction (6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 19% of BArch</td>
<td></td>
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</tbody>
</table>
**Table C: Bachelor of Architecture**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td><strong>Core units of study</strong></td>
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</tr>
<tr>
<td></td>
<td>Candidates are required to complete the following core units of study.</td>
<td></td>
<td></td>
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<tr>
<td><strong>Senior units of study</strong></td>
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<td></td>
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</tr>
<tr>
<td>ARCH4101 Architectural Design Studio A</td>
<td>6</td>
<td>C ARCH(4102 and 4103)</td>
<td></td>
<td>N ARCH2106</td>
<td></td>
<td>Semester 1</td>
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<tr>
<td>ARCH4102 Architecture in the 20th Century</td>
<td>6</td>
<td>N ARCH2104</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH4103 Contract Documentation</td>
<td>6</td>
<td>C ARCH(4101 and 4102)</td>
<td></td>
<td>N ARCH2105</td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH4201 Architectural Design Studio B</td>
<td>6</td>
<td>C ARCH(4202 and 4203)</td>
<td></td>
<td>N ARCH2107</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH4202 Design Technology 1</td>
<td>6</td>
<td>C ARCH(4201 and 4203)</td>
<td></td>
<td>N ARCH2103</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH4203 Architectural Structures and Materials</td>
<td>6</td>
<td>C ARCH(4201 and 4202)</td>
<td></td>
<td>N DESC2102</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH5101 Architectural Design Studio C</td>
<td>6</td>
<td>P ARCH4201</td>
<td></td>
<td>N ARCH3104</td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH5201 Architectural Design Studio D</td>
<td>12</td>
<td>P ARCH4201</td>
<td></td>
<td>C ARCH5202</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH5202 Design Technology 2</td>
<td>6</td>
<td>P ARCH4202</td>
<td></td>
<td>C ARCH5201</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH5203 Theory in Architecture</td>
<td>6</td>
<td>N ARCH2102</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH6201 Management in Architecture</td>
<td>6</td>
<td>P ARCH4103</td>
<td></td>
<td>N ARCH3106, ARCH3107</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td><strong>Architectural Design Workshop</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Candidates are required to complete at least one Architectural Design Workshop unit of study.</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Senior units of study</strong></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARCH6301 Design Studio Workshop A</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td>This unit is intended primarily for students in the BArch. Students from the Bachelor of Design in Architecture must be in Design Practice 2 or 3 and must have a distinction average in Design Practice to enrol.</td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH6302 Design Studio Workshop B</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td>This unit is intended primarily for students in the BArch. Students from the Bachelor of Design in Architecture must be in Design Practice 2 or 3 and must have a distinction average in Design Practice to enrol.</td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH6303 Design Studio Workshop C</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td>This unit is intended primarily for students in the BArch. Students from the Bachelor of Design in Architecture must be in Design Practice 2 or 3 and must have a distinction average in Design Practice to enrol.</td>
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<td>Semester 1 Semester 2</td>
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<tr>
<td>ARCH6304 Design Studio Workshop D</td>
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<td>Note: Department permission required for enrolment</td>
<td>This unit is intended primarily for students in the BArch. Students from the Bachelor of Design in Architecture must be in Design Practice 2 or 3 and must have a distinction average in Design Practice to enrol.</td>
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<td>Semester 1 Semester 2</td>
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<tr>
<td><strong>Elective units of study</strong></td>
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<td>Candidates are required to complete 18 credit points from the elective units listed in this table. Graduate units of study may be included with the permission of the unit coordinator concerned. Candidates intending to graduate with Honours should include ARCF 4201 and ARCF 5301 in their program. The units are grouped into sub-disciplines.</td>
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<tr>
<td><strong>Bachelor of Architecture Electives</strong></td>
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<td>This elective is available only to Bachelor of Architecture students.</td>
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<tr>
<td><strong>Senior units of study</strong></td>
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<tr>
<td>ARCH6105 Studies in Innovative Construction</td>
<td>6</td>
<td>N ARCH6096</td>
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### Allied Arts in Architecture

#### Senior units of study

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<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>AWSS2001 Public Art</td>
<td>6</td>
<td>N DESA2618</td>
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<tr>
<td>AWSS2002 Site Specific Art</td>
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<td>N DESA2619</td>
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<td>S1 Intensive Semester 2</td>
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<tr>
<td>AWSS2010 Ceramics (Handbuilding)</td>
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<td>N DESA2634</td>
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<tr>
<td>AWSS2011 Ceramics (Wheel Throwing)</td>
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<td>N DESA2631</td>
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<td>AWSS2012 Ceramics 2</td>
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<td>AWSS2013 Digital Video</td>
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<td>AWSS2014 Printmaking</td>
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<td>AWSS2015 General Drawing</td>
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<td>AWSS2016 Graphic Design (Introduction)</td>
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<td>AWSS2018 Life Drawing</td>
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<td>AWSS2019 Mixed Media</td>
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<td>AWSS2020 Object Design</td>
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<td>Semester 1 Semester 2</td>
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<td>AWSS2022 Painting</td>
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<td>Semester 1 Semester 2</td>
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<td>AWSS2023 Photography 1</td>
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<td>Semester 1 Semester 2</td>
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<tr>
<td>AWSS2024 Photography 2</td>
<td>6</td>
<td>P AWSS2023 or DESA2629 or equivalent. Equivalence can be established by either presenting a portfolio of b&amp;w photographic work or by presenting a transcript indicating a minimum of a full semester unit in b&amp;w photography.</td>
<td></td>
<td>N DESA2642</td>
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<td>Semester 1 Semester 2</td>
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</table>
### Unit of study | Credit points | A: Assumed knowledge | P: Prerequisites | C: Corequisites | N: Prohibition | Session
---|---|---|---|---|---|---
AWS2025 Screen Printing on Fabric | 6 | N May not be counted with DESA 2639. Note: Department permission required for enrolment |  |  |  | Semester 2
|  |  | Note: Department permission required for enrolment |  |  |  | Semester 1
|  |  | Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Art Workshops with their request to enrol. Materials costs are incurred in some Art Workshops units. |  |  |  | Semester 2
AWS2026 Screen Printing on Paper | 6 | N DESA2638 |  |  |  | Semester 1
|  |  | Note: Department permission required for enrolment |  |  |  | Semester 2
|  |  | Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Art Workshops with their request to enrol. Materials costs are incurred in some Art Workshops units. |  |  |  | Semester 2
AWS2027 Sculpture | 6 | N DESA2636 |  |  |  | Semester 1
|  |  | Note: Department permission required for enrolment |  |  |  | Semester 2
|  |  | Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Art Workshops with their request to enrol. Materials costs are incurred in some Art Workshops units. |  |  |  | Semester 2
AWS2028 Web Art and Design | 6 | N DESA2640 |  |  |  | Semester 1
|  |  | Note: Department permission required for enrolment |  |  |  | Semester 2
|  |  | Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Materials costs are incurred in some Art Workshops units. |  |  |  | Semester 2
AWS2090 Advanced Art Studio | 6 | P Any AWSS unit with a result of Credit or better |  |  | N DESA2608, DESA2609 | Semester 1
|  |  | Note: Department permission required for enrolment |  |  |  | Semester 2
|  |  | Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Materials costs are incurred in some Art Workshops units. |  |  |  | Semester 2

### Appropriate Sustainable Technologies

Senior units of study

**DAAE3001 Sustainable Architectural Practice** | 6 | P DESA(2101 or 2111) |  | N DESA2202, DESA2207, DESA2201 |  | Semester 1

### Architectural History and Theory

Senior units of study

**DAAE2001 20th Century Australian Architecture** | 6 | N DESA2305 |  |  |  | Semester 2

### Environment, Behaviour & Society

Senior units of study

**DAAE2002 Architecture, Place and Society** | 6 | N DESA2211 |  |  |  | Semester 1
**DAAE2004 Housing for Health** | 6 | N DESA2213, DESA2214 |  |  |  | Semester 1
**DAAE2005 Designing with Colour 1** | 6 | A DESA2612 or DESA1004 |  | N DESA2610 |  | Semester 1
**DAAE2006 Designing with Colour 2** | 6 | P DAAE2005 or DESA2610 |  | N DESA2611 |  | Semester 2

### Management in Architecture

Senior units of study

**DAAE2007 Introduction to Project Management** | 6 | N DESA2208, DESA2209 |  |  |  | Semester 2
**DAAE2008 Innovative Building Structures** | 6 | P DESA(2101 or 2111) |  | N DESA2206 |  | Semester 2

### Urban Design and Planning

Senior units of study

**DESP2001 Planning for the Public Domain** | 6 | N DESP2201, DESP2203 |  |  |  | Semester 1
**DESP2002 Planning for the Built Environment** | 6 | N DESP2202, DESP2204 |  |  |  | Semester 2

### Design Computing

Senior units of study

**DECO2010 Collaborative Virtual Environments** | 6 | P DECO (1100 and 1200) or (2101 and 2102) or INFO (1000 or 1003) |  | N DECO2005 |  | Semester 1

Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing students will receive preference.
### Unit of study | Credit points | A: Assumed knowledge | P: Prerequisites | C: Corequisites | N: Prohibition | Session
---|---|---|---|---|---|---
DECO2011 | 6 | N SOFT1001 | | | | Semester 1
**Design Programming**

DECO2012 | 6 | N DECO2607 | P DECO2011 or SOFT1001, DECO2601, DECO2602, DECO2603 | N DECO2601, DECO2602, DECO2603 | Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing students will receive preference. | Semester 2
**Sound Design and Sonification**

DECO2013 | 6 | P DECO2011 or SOFT1001 | N DECO2601, DECO2602, DECO2603 | Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing students will receive preference. | Semester 2
**Generative Design Systems**

DECO2101 | 6 | N DECO1001, DECO1100 | P DECO2011 | Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing. | Semester 1
**Digital Image Design & Representation**

DECO2102 | 6 | P DECO2101, DECO2002, DECO1200 | N DECO2011 | Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing. | Semester 2
**Interactive Multimedia Design**

DECO2103 | 6 | N DECO1008 | P DECO (1200 or 2102 or 2002) | | | Semester 2
**3D Modelling**

DECO2204 | 6 | N DESA1202, DESC9101, DESC9163 | P DEC (1008 or 2103) and (SOFT1901 or DECO2011) | | Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing and BST students will receive preference. | Semester 2
**Principles of AutoCAD**

DECO2205 | 6 | N DESA1201, DESC9100, DESC9162 | P DECO (1200 or 2102) | | | Semester 1
**Principles of ArchiCAD**

DECO2606 | 6 | P DECO (1008 or 2103) and (SOFT1901 or DECO2011) | N DECO2601, DECO2602, DECO2603 | Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing and BST students will receive preference. | Semester 2
**Real Time 3D Multimedia**

DECO3003 | 6 | A Computer programming. P 96 credit points and minimum WAM of 65. Note: Department permission required for enrolment | | | | Semester 2
**Design Computing Research Opportunity**

DECO3005 | 6 | P DECO (1200 or 2102 or 2002) | N DESC9142 | | | Semester 1
**Advanced Interactive Multimedia Design**

DECO3006 | 6 | P DECO (1008 or 2103) and (SOFT1901 or DECO2011) | N DESC9103, DESC9104, DESC9141 | | | Semester 1
**Principles of 3D Animation**

DECO3007 | 6 | P DECO (1200 or 2102) and (DECO2011 or SOFT1001) | | | | Semester 2
**Designing Tangible Computing**

### General Electives

#### Senior units of study

| Unit of study | Credit points | A: Assumed knowledge | P: Prerequisites | C: Corequisites | N: Prohibition | Session |
---|---|---|---|---|---|---
ARCH3551 | 6 | P 48 credit points. Note: Department permission required for enrolment | P DESC9105 | | | Semester 1 |
**Architecture General Elective A**

ARCH3552 | 6 | P 48 credit points. Note: Department permission required for enrolment | P DESC9105 | | | Semester 2 |
**Architecture General Elective B**

ARCH3553 | 6 | P 48 credit points. Note: Department permission required for enrolment | P DESC9105 | | | Semester 1 |
**Architecture General Elective C**

ARCH3554 | 6 | P 48 credit points. Note: Department permission required for enrolment | P DESC9105 | | | Semester 2 |
**Architecture General Elective D**

DECO3551 | 6 | P 48 credit points. Note: Department permission required for enrolment | P DESC9105 | | | Semester 1 |
**Design Computing General Elective A**

DECO3552 | 6 | P 48 credit points. Note: Department permission required for enrolment | P DESC9105 | | | Semester 2 |
**Design Computing General Elective B**

DECO3553 | 6 | P 48 credit points. Note: Department permission required for enrolment | P DESC9105 | | | Semester 1 |
**Design Computing General Elective C**
### Unit of study

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<th>N: Prohibition</th>
<th>Session</th>
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<td>DECO3554 Design Computing General Elective D</td>
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<td>DESA3551 Design Architecture General Elective A</td>
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<td>DESA3552 Design Architecture General Elective B</td>
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<td>DESA3553 Design Architecture General Elective C</td>
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### Independent Study Electives

### Senior units of study

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<th>Unit of study</th>
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<th>Session</th>
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<tr>
<td>ARCH3441 Architecture Independent Study A</td>
<td>6</td>
<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment</td>
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<td>Semester 1 Semester 2</td>
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<tr>
<td>ARCH3442 Architecture Independent Study B</td>
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<td>P 48 credit points and a WAM of at least 70. Note: Department permission required for enrolment</td>
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<tr>
<td>ARCH3443 Architecture Independent Study C</td>
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<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment</td>
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<td>ARCH3444 Architecture Independent Study D</td>
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<td>P 48 credit points and WAM of at least 70. Note: Department permission required for enrolment</td>
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</table>

### Honours units of study

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>ARCF4201 Preparatory Advanced Study Report</td>
<td>6</td>
<td>N ARCF6002, ARCF6003 Note: Department permission required for enrolment</td>
<td></td>
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<tr>
<td>ARCF5301 Advanced Study Report</td>
<td>6</td>
<td>P ARCF4201 N ARCF6002, ARCF6003 Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>
9. Undergraduate honours degrees

About this chapter

This chapter contains general and degree specific information about the degrees:

- Bachelor of Design in Architecture (Honours)
- Bachelor of Design Computing (Honours)
- Bachelor of Architecture (Honours)

You should read the frequently asked questions followed by the section relevant to your degree. This chapter is a summary of the resolutions of the Faculty for the relevant degree, printed later in the handbook, and where there are inconsistencies the Faculty resolutions take precedence.

Frequently asked questions

What is an honours degree?

The undergraduate degrees of the Faculty are awarded at two levels, ‘pass’ and ‘honours’. Most students will graduate with the ‘pass’ degree, for example, the Bachelor of Design in Architecture. By completing a course of advanced study involving the production of a dissertation by research, the degree may be awarded with ‘honours’, for example, the Bachelor of Design in Architecture (Honours).

What is involved in gaining an honours degree?

For the Bachelor of Design in Architecture and the Bachelor of Design Computing, the honours degree requires an extra year of full-time study engaged solely in research under the supervision of a member of academic staff. This is in addition to the three years of study for the pass degree.

For the Bachelor of Architecture the honours degree requires the completion of the units ARCF4201 Preparatory Advanced Study Report and ARCF5301 Advanced Study Report as electives within the 96 credit points required for the degree.

What is an honours degree for?

The award of honours an avenue by which the best students can be recognised. It provides training in research practice and methodology and provides evidence of your ability to formulate a problem, research and investigate it and to write a reasoned response to it.

Why would I complete an honours degree?

By its nature, an honours degree caries more weight or prestige than the pass degree. It is highly regarded by employers and other universities.

Universities regard honours degrees a training ground for higher research degrees such as the Doctor of Philosophy. Nowadays, a PhD is almost a prerequisite to a career in academia.

Because of the long time it takes to complete a PhD (three to four years full-time) most students seek scholarship funding for their study, such as an Australian Postgraduate Award or an Endeavour International Postgraduate Research Scholarship, which pay a tax free living allowance for the duration of the study. To be eligible (and competitive) for one of these scholarships you must have a good first class honours degree.

What is meant by ‘first class honours’?

Honours in the Faculty of Architecture are awarded in two classes, each with sub-categories. These are, in order from highest to lowest:

- First class with the medal
- First class
- Second class, Division I
- Second class, Division II

Only the very best student students are awarded the medal – perhaps one or two per year or none at all. Award of the medal is at the discretion of the Dean but candidates should usually have a truly outstanding record throughout their degree as well as produce an outstanding dissertation. First class honours is awarded to the best students, and so on.

What is a WAM and how do I calculate it?

WAM stands for Weighted Average Mark. It is a calculation commonly used in the University to assess a student’s average performance and to compare students with each other. It is used in decisions about eligibility and award of honours. Your WAM is calculated using the following formula:

\[
WAM = \frac{\sum(M \times CPa \times CPw)}{\sum(CPa \times CPw)}
\]

where M is the mark achieved, CPa is the credit points attempted and CPw is the credit point weighting of any given unit of study. The weighting is determined by the faculty administering the unit. In the Faculty of Architecture, a weighting of 1 is given to junior units, 3 for senior units and 3 for graduate units. Units with a result of R are not counted. AF is counted as zero Fail. Units are noted as junior or senior in the tables in this handbook.

Are there scholarships available to honours students?

Yes. Please refer to the handbook chapter on undergraduate prizes and scholarships or the Faculty of Architecture web site. Applications are required in the year prior to commencement.

What pathways are open to me at the completion of honours?

The Faculty welcomes applications for higher degrees by research from its honours graduates. You can become an active researcher and gain a Doctor of Philosophy.

Honours graduates may consider undertaking their research degrees at an overseas university. Look at the scholarship opportunities advertised in the postgraduate pages of this handbook as a starting point to discovering the opportunities an honours degree opens up.

Hezlet Bequest Travelling Scholarship

Graduates of the Bachelor of Architecture with Honours have a real opportunity to fund their PhD candidature at an overseas university through the Hezlet Bequest Travelling Scholarship. Details in the postgraduate section of this handbook.
Other Faculty of Architecture scholarships for research degrees

The David Noel Murray Scholarship and the Ethel Chettle scholarship also provide excellent opportunities for graduates of this Faculty to fund their doctoral studies. Details in the postgraduate section of this handbook.

Honours in the Bachelor of Design in Architecture

Admission
To qualify to enrol in the honours program you should have qualified for the award of the pass degree, or a similar degree from another university that is acceptable to us, or be a graduate of not more than four years standing. You should have a Weighted Average Mark of at least 70 for the pass degree.

Before you apply you should have and approved thesis topic and supervisor. The supervisor must be from our academic staff. We invite you to discuss your plans with a relevant staff member. If you are new to the university one of the Student Administration Centre staff will be able to put you in touch with someone to start the discussions. You can have an associate supervisor if you require shared supervision beyond the immediate expertise of your supervisor.

The honours year
The honours course is to be taken full time over two consecutive semesters. Enrolment is effected by taking 48 credit points, being ARCH4003 and ARCH4004 in the first semester and ARCH4005 and ARCH4006 in the second semester.

There will be no formal classes. You are expected to make arrangements for regular (weekly) contact with your supervisor on an individual basis to chart the work, receive advice and review and monitor progress. At the conclusion of the year you are expected to submit a body of work, usually a dissertation, properly bound for addition to the Faculty’s Audio Visual Library where there is an honours and master’s dissertation collection.

Submission date and form of thesis
All honours dissertations are to be lodged with the supervisor by the end of the first week of the formal examination period in the final semester of enrolment.

Dissertations for examination can be simply bound or held together. Examined and amended dissertations are to be permanently bound (cloth binding preferably) with your name and thesis title written on the spine. These are held permanently in the Faculty’s Audio Visual Library. As a guide to your own thesis you may wish to look at this collection of works.

Non-completion
Students who do not complete the honours year will be awarded the pass degree. Those who terminate their study prior to the end of the second semester of study will be awarded a grade of ‘DNF’ or Discontinue without Failure.

Determination of honours
The honours dissertation itself receives a mark, which is recorded on the transcript next to ARCH4006. The other units will be converted to ‘R’ for ‘Satisfied Requirements’ upon successful completion of the dissertation.

The grade of honours is determined by using a mark derived from weighting the mark for the honours thesis at 70 per cent and the Weighted Average Mark of the pass degree at 30 per cent. While this number is not recorded on the transcript, the final class of honours awarded is.

The honours degree of Bachelor of Design in Architecture shall be awarded to eligible students, with the following grades:

• Honours Class I (with a mark of at least 80); or
• Honours Class II, Division 1 (with a mark of at least 75); or
• Honours Class II, Division 2 (with a mark of at least 70).

The medal may be awarded as described in the frequently asked questions section.

A student for the honours program who does not meet the requirements for award of honours shall be awarded the Bachelor of Design in Architecture pass degree.

Honours in the Bachelor of Design Computing

Admission
Students of the Bachelor of Design Computing should take the unit of study DECO3008 Design Computing Preparatory Honours Research in their third year.

To qualify to enrol in the honours program you should have qualified for the award of the pass degree, or a similar degree from another university that is acceptable to us, or be a graduate of not more than four years standing. You should have a Weighted Average Mark of at least 70 for the pass degree.

Before you apply you should have and approved thesis topic and supervisor. The supervisor must be from our academic staff. We invite you to discuss your plans with a relevant staff member. Students who complete the preparatory honours unit will probably do complete this stage during this process. If you are new to the University one of the Student Administration Centre staff will be able to put you in touch with someone to start the discussions. You can have an associate supervisor if you require shared supervision beyond the immediate expertise of your supervisor.

The honours year
The honours course is to be taken full time over two consecutive semesters. Enrolment is effected by taking 48 credit points, being DECO4001 and DECO4002 in the first semester and DECO4003 and DECO4004 in the second semester.
There will be no formal classes. You are expected to make arrangements for regular (weekly) contact with your supervisor on an individual basis to chart the work, receive advice and review and monitor progress. At the conclusion of the year you are expected to submit a body of work, usually a dissertation, properly bound for addition to the Faculty’s Audio Visual Library where there is an honours and masters dissertation collection.

Submission date and form of thesis
All honours dissertations are to be lodged with the supervisor by the end of the first week of the formal examination period in the final semester of enrolment.

Dissertations for examination can be simply bound or held together. Examined and amended dissertations are to be permanently bound (cloth binding preferably) with your name and thesis title written on the spine. These are held permanently in the Faculty’s Audio Visual Library. As a guide to your own thesis you may wish to look at this collection of works.

Non-completion
Students who do not complete the honours year will be awarded the pass degree. Those who terminate their study prior to the end of the second semester of study will be awarded a grade of ‘DNF’ or Discontinue without Failure.

Honours in the Bachelor of Architecture

Admission
Students are not formally admitted to the Bachelor of Architecture honours program. Rather students choose to take the units ARCF4201 Advanced Study Report Preparation (ASR Prep) and ARCF5301 Advanced Study Report (ASR) as electives in their degree. Completion of these units is a requirement for consideration for the award of the honours degree.

While honours is an elective, only the best students should consider enrolling in the ASR Prep and ASR. If your Weighted Average Mark is below 70 you should seriously consider whether honours is for you. Students who complete the ASR Prep and ASR with a WAM below 70 will not be awarded honours, no matter how good the ASR result is.

Four semesters for the honours degree
Students who intend to complete the honours degree should be full time and of no more than four semesters standing at the completion of the degree, including the ASR.

Supervision and classes
The unit ARCF4201 ASR Prep is a timetabled unit designed to teach research methods and develop a topic for the final report. You will be given the opportunity to join one of a number of supervisors to guide you in an area of interest.

The unit ARCF5301 ASR is a research unit where you write up your report with regular supervision and feedback from your supervisor.

Determination of honours
The honours dissertation itself receives a mark, which is recorded on the transcript next to DECO4004. The other units will be converted to ‘R’ for ‘Satisfied Requirements’ upon successful completion of the dissertation.

The grade of honours is determined by using a mark derived from weighting the mark for the honours thesis at 70 per cent and the Weighted Average Mark of the pass degree at 30 per cent. While this number is not recorded on the transcript, the final class of honours awarded is.

The honours degree of Bachelor of Design Computing shall be awarded to eligible students, with the following grades:
- Honours Class I (with a mark of at least 80); or
- Honours Class II, Division 1 (with a mark of at least 75); or
- Honours Class II, Division 2 (with a mark of at least 70).

The medal may be awarded as described in the frequently asked questions section.

A student for the honours program who does not meet the requirements for award of honours shall be awarded the Bachelor of Design Computing pass degree.
9. Undergraduate honours degrees
10. Undergraduate overseas exchange

About this chapter

This chapter explains the policies and procedures for overseas exchange for undergraduate students in the following degrees:

- Bachelor of Design Computing
- Bachelor of Architecture

Exchange in the Bachelor of Design in Architecture

The Faculty will not approve exchange programs for students enrolled in the Bachelor of Design in Architecture.

Exchange in the Bachelor of Design Computing

- The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.
- Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student’s program must be approved in consultation with the program coordinator of the degree.
- Exchange students are required to enrol in a full-time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.
- Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.
- Specially designated units of study will be recorded on the transcript. A result of ‘R’ for ‘Satisfied Requirements’ will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student’s Weighted Average Mark.
- The exchange units for enrolment at the University of Sydney, to be approved with the program coordinator, shall be selected from the following table.
- For advice on exchanges please contact the Continuing Student Adviser in the Faculty of Architecture Student Administration Centre.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>Bachelor of Design Computing exchange units</td>
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<td>DECO2663 Exchange Generative Design Systems 6 Note: Department permission required for enrolment</td>
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<td>Year 2 elective units of study</td>
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http://www.usyd.edu.au/handbooks
Exchange in the Bachelor of Architecture

- The Faculty may approve international exchange for qualified students in semesters one or three of the Bachelor of Architecture. All students must complete the final semester at the University of Sydney.
- Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office.
- Each student’s program must be approved in consultation with the program coordinator of the degree.
- The preferred method is for exchange in the third semester of the Bachelor of Architecture.
- Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.
- Students should plan to enrol in a studio and three electives while they are away. If a suitable unit of study at the other international institution can be found, electives may be swapped for a core History/Theory unit or a Design Studio Workshop. Exchange units should be taken as part of the degree and not in addition to the degree requirements.
- Exchange students are required to enrol in a full-time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.
- Specially designated units of study will be recorded on the transcript. A result of ‘R’ for ‘Satisfied Requirements’ will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student’s Weighted Average Mark.
- Exchange units for enrolment at the University of Sydney, to be approved with the program coordinator, shall be selected from the following table.
- For advice on exchanges please contact the Continuing Student Adviser in the Faculty of Architecture Student Administration Centre.

Bachelor of Architecture exchange units

<table>
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<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>Session</th>
</tr>
</thead>
<tbody>
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<td>Semester 1</td>
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<td>ARCH4661  History/Theory Core Exchange</td>
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<td>Semester 1</td>
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<tr>
<td>ARCH5660  Architecture Exchange Studio C</td>
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<td>Semester 1</td>
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<tr>
<td>ARCH6661  Design Studio Workshop Exchange A</td>
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<td>Note: Department permission required for enrolment</td>
<td>Semester 1</td>
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</table>

Elective units of study

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<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>Session</th>
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<td>ARCH4665  Architecture Exchange Elective A</td>
<td>6</td>
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<td>Semester 1</td>
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<td>ARCH4666  Architecture Exchange Elective B</td>
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<tr>
<td>ARCH4667  Architecture Exchange Elective C</td>
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<td>Note: Department permission required for enrolment</td>
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<td>ARCH4668  Architecture Exchange Elective D</td>
<td>6</td>
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<td>Semester 1</td>
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</table>
11. Undergraduate unit of study descriptions

About this chapter
This chapter lists the descriptions of all undergraduate units of study offered by the Faculty of Architecture, in unit of study code order. For information about how these units of study fit into your specific degree structure please refer to:

- Bachelor of Design in Architecture: Table A
- Bachelor of Design Computing: Table B
- Bachelor of Architecture: Table C

You should pay special attention to any enrolment information and instructions. If a unit requires department permission it means you need to have the academic in charge sign a special permission form to bring to the student administration counter before you can be enrolled. For a full explanation of some of the terms you will encounter in this list please see the glossary at the rear of the handbook.

Unit descriptions

**ARCF4201 Preparatory Advanced Study Report**
- Credit points: 6
- Teacher/Coordinator: Dr Glen Hill
- Session: Semester 2
- Classes: 4 hours per week for 8 weeks
- Prohibitions: ARCF6002, ARCF6003
- Assessment: Development of a research question, writing a literature review, preparing a research proposal and report on results of initial research. Mode of delivery: Normal (lecture/lab/tutorial) Day
- Note: To qualify for Honours in the BArch students must achieve a WAM of at least 70 in all units attempted, including ARCF4201 and ARCF5301. First class honours requires a WAM of at least 75.

Preparatory Advanced Study Report is the first of two units of study (the second being ARCF5301 Advanced Study Report) that together allow Bachelor of Architecture students to explore and research an area of architectural study in depth. Areas of research might include research by design, research by art practice, architectural history and/or theory, architectural science, design computing, or urban design or planning. The unit is intended to equip Bachelor of Architecture students with the research skills necessary to articulate a research question, review relevant literature, develop a research proposal, and, with individual supervision, carry out preparatory exploration of their subject area, as the basis for undertaking an advanced study report in which students pursue and present the outcomes of their individual research. As part of the unit, students will be required to develop a research question, prepare a review of the literature relating to their research question, prepare a research proposal and report on their initial exploration of their chosen topic. This is a Bachelor of Architecture elective unit (necessary for honours consideration). Contact hours: 4 hours per week for 8 weeks. Class preparation: 3 hours per week. Assessment preparation: 60 hours per semester.

**ARCF5301 Advanced Study Report**
- Credit points: 6
- Teacher/Coordinator: Dr Glen Hill
- Session: Semester 1, Semester 2
- Classes: 0.5 hours per week with individual supervisor
- Prerequisites: ARCF4201
- Prohibitions: ARCF6002, ARCF6003
- Assessment: Dissertation, design project presented with supporting text, art project presented with supporting text or other by formal agreement. Mode of delivery: Normal (lecture/lab/tutorial) Day
- Note: To qualify for Honours in the BArch students must achieve a WAM of at least 70 in all units attempted, including ARCF4201 and ARCF5301. First class honours requires a WAM of at least 75.

The Advanced Study Report is the second of two units of study (the first being the ARCF4201 Preparatory Advanced Study Report), that together allow Bachelor of Architecture students to explore and research an area of architectural study in depth. Areas of research might include research by design, research by art practice, architectural history and/or theory, architectural science, design computing, or urban design or planning. Building upon the initial topic exploration undertaken in the preparatory advanced study report, the unit facilitates students completing their research under the direction of their individual supervisor. The outcome of the research is presented for assessment in a form appropriate to the research topic (which might include, but not be limited to, a short dissertation, or a design or art project presented with supporting text.) Contact hours: 0.5 hours per week with individual supervisor. Assessment preparation: 10 hours per week.

**ARCH3441 Architecture Independent Study A**
- Credit points: 6
- Session: Semester 1, Semester 2
- Classes: Weekly meetings by arrangement
- Prerequisites: 48 credit points and WAM of at least 70.
- Note: Department permission required for enrolment.
- Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.

This unit provides an opportunity to high achieving students to develop an interest in a specific Architecture topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Architecture. The student will meet with the supervisor weekly to discuss progress. A reflective report on a selected topic demonstrating mastery of the topic.

**ARCH3442 Architecture Independent Study B**
- Credit points: 6
- Session: Semester 1, Semester 2
- Classes: Weekly meetings by arrangement
- Prerequisites: 48 credit points and WAM of at least 70.
- Note: Department permission required for enrolment.
- Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.

This unit provides an opportunity to high achieving students to develop an interest in a specific Architecture topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome will be a reflective report on a selected topic demonstrating mastery of the topic.

**ARCH3443 Architecture Independent Study C**
- Credit points: 6
- Session: Semester 1, Semester 2
- Classes: Weekly meetings by arrangement
- Prerequisites: 48 credit points and WAM of at least 70.
- Note: Department permission required for enrolment.
- Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.

This unit provides an opportunity to high achieving students to develop an interest in a specific Architecture topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome would be a reflective report on a selected topic demonstrating mastery of the topic.
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ARCH3444
Architectural Independent Study D
Credit points: 6
Session: Semester 1, Semester 2
Classes: Weekly meetings by arrangement
Prerequisites: 48 credit points and WAM of at least 70.
Assessment: Report
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

This unit provides an opportunity to high achieving students to develop an interest in a specific Architecture topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome will be a reflective report on a selected topic demonstrating mastery of the topic.

ARCH3551
Architecture General Elective A
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

ARCH3552
Architecture General Elective B
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

ARCH3553
Architecture General Elective C
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

ARCH3554
Architecture General Elective D
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

ARCH4003
Dissertation and Research Methods A
Credit points: 12
Session: Semester 1, Semester 2
Prerequisites: Completion of the Degree with a WAM of at least 70.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Students must submit an Honours application form. Entry into Honours in the Bachelor of Design in Architecture requires you to have completed your pass degree with a Weighted Average Mark of at least 70. The honours degree requires full time study over two semesters (ARCH4003 and ARCH4004 and then ARCH4005 and ARCH4006). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which ARCH4006 Dissertation and Research Methods D is taken.

ARCH4004
Dissertation and Research Methods B
Credit points: 12
Session: Semester 1, Semester 2
Corequisites: ARCH4003
Mode of delivery: Normal (lecture/lab/tutorial) Day

Students must submit an Honours application form. Entry into Honours in the Bachelor of Design in Architecture requires you to have completed your pass degree with a Weighted Average Mark of at least 70. The honours degree requires full time study over two semesters (ARCH4003 and ARCH4004 and then ARCH4005 and ARCH4006). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which ARCH4006 Dissertation and Research Methods D is taken.

ARCH4005
Dissertation and Research Methods C
Credit points: 12
Session: Semester 1, Semester 2
Corequisites: ARCH4004
Mode of delivery: Normal (lecture/lab/tutorial) Day
Students must submit an Honours application form. Entry into Honours in the Bachelor of Design in Architecture requires you to have completed your pass degree with a Weighted Average Mark of at least 70. The honours degree requires full time study over two semesters (ARCH4003 and ARCH4004 and then ARCH4005 and ARCH4006). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which ARCH4006 Dissertation and Research Methods D is taken.

ARCH4006
Dissertation and Research Methods D

Credit points: 12
Mode of delivery: Normal (lecture/lab/tutorial) Day

Students must submit an Honours application form. Entry into Honours in the Bachelor of Design in Architecture requires you to have completed your pass degree with a Weighted Average Mark of at least 70. The honours degree requires full time study over two semesters (ARCH4003 and ARCH4004 and then ARCH4005 and ARCH4006). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which ARCH4006 Dissertation and Research Methods D is taken.

ARCH4101
Architectural Design Studio A

Credit points: 6
Teacher/Coordinator: Dr Peter Armstrong
Session: Semester 1
Classes: 6 hours per week for 8 weeks
Prohibitions: ARCH(4102 and 4103)
Assessment: Attendance, tutorial participation including staged exercises, submission and presentation of developed design.
Mode of delivery: Normal (lecture/lab/tutorial) Day

Architectural projects offered by Faculty staff and visiting design practitioners will introduce students to a range of design issues and ideas, drawing on contemporary theory and practice. At the conclusion students will have worked closely with a tutor on a unique project, absorbing the key issues informing the project and demonstrating an ability to translate these issues into a design project. The objective of the unit is to provide students with an understanding of a specific design outlook and process as developed through weekly exercises and design development drawings and models. Students will also develop the ability to translate this process into a developed design, presented as an architectural project at the end of the unit. This unit is core to the Bachelor of Architecture. Contact hours: 6 hours per week for 8 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

ARCH4102
Architecture in the 20th Century

Credit points: 6
Session: Semester 1
Classes: Lec 3hrs/wk
Prohibitions: ARCH2104
Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit presents selected topics on major issues addressed in architecture in the early Modern Movement and during the second half of the twentieth century. It aims to explain the rationale behind the evolution of the theoretical and formal aspects of modern architecture and some of the various strands that characterise the search for a relevant architecture today. At the conclusion it is intended that students will: have knowledge and insight into the evolution of architectural thought and built form during the twentieth century; be able to enter into informed and critical debate on architectural issues; be in a sound position to place their own work in the context of historical architectural development; be able to assess the value and relevance of the contemporary work of others as it relates to their own endeavour; and be culturally educated individuals, well-informed and confident in determining their own stance regarding value in architectural ideology and performance. The tests and the essay are designed to indicate the extent to which the student can both discourse on, and apply knowledge of, this history to their own and others' architectural works. This unit is core to the Bachelor of Architecture.

ARCH4103
Contract Documentation

Credit points: 6
Teacher/Coordinator: Dr Peter Armstrong
Session: Semester 1
Classes: 3 hours per week
Prohibitions: ARCH(4101 and 4102)
Assessment: Preparation of a set of basic building contract documentation including working drawings and specifications; submission of papers, including rudimentary cost estimates, based on class work.
Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit aims to provide some knowledge of basic contract law and building contracts; as well as information about, and skills in, the production of working drawings, specifications and opinions of probable construction costs, as commonly prepared by an architect. On the successful completion of this unit of study, students will have demonstrated: a competent ability in the production of working drawings, specifications and cost control for the building designed during the Architectural Design Studio A; an ability to communicate this documentation to clients, statutory authorities, consultants, tenderers, contractors and sub-contractors etc. such that they are able to understand what is required to be built; an understanding of the significance of contract documents in contracts, the relationship between contract documents and relevant law, and the provision of a context for understanding the full examination of commonly used building contracts in the Management in Architecture unit of study; an ability in the making of working drawings and specifications, the coordination of these documents into contract documents; an understanding of the role of consultants with specific reference to cost control, and the management of the process. This unit is core to the Bachelor of Architecture. Contact hours: 3 hours per week. Class preparation and assessment preparation: 39 hours per semester.

ARCH4201
Architectural Design Studio B

Credit points: 6
Teacher/Coordinator: Dr Peter Armstrong
Session: Semester 2
Classes: 6 hours per week for 8 weeks
Prohibitions: ARCH(4102 and 4203)
Assessment: Each project submission will be assessed in relation to the objectives of the unit and the specific aims of the project.
Mode of delivery: Normal (lecture/lab/tutorial) Day

Through integration with Design Technologies 1 and Architectural Structures and Materials, this unit will provide students with the opportunity to approach the design of a building in a holistic way. Projects will seek to explore the design of building types, and their context, where an appropriate level of investment in the preparation of contract documents and the resolution of structures can be achieved. Cultural and environmental sustainability, as well a reflective mode of teaching and learning, will provide a context within which all projects will be framed. It is assumed that a sound design philosophy will inform the projects explored in the unit of study. At the successful completion of this unit students will have: proposed projects which successfully integrate technical requirements; enhanced their professional attitude to design; extended their understanding of the cultural and environmental framework of design; applied these understandings, and demonstrated good architectural judgement; and communicated the design ideas effectively through: drawings, models, CAD etc. This unit is core to the Bachelor of Architecture. Contact hours: 6 hours per week for 8 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

ARCH4202
Design Technology 1

Credit points: 6
Session: Semester 2
Classes: 5 hours per week
Prohibitions: ARCH(4201 and 4203)
Assessment: Assessment is in four parts: attendance of 90% for all components, design development drawings of the studio project of ARCH4201, a written report on site visits and detailed research related to the lecture program.
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit aims to give students the ability to realise their design intentions initially in the studio projects of the degree and then in
subsequent practice, and to provide the basis for the development of technical and design skills required of a professional architect. The unit aims to; examine the construction of the primary elements of the external fabric of large buildings; further develop the principles of the performance of structure, materials, and construction; develop the application of the requirements of the BCA and relevant Australia Standards; develop the primacy of detailing, skills in accurate drafting for contract documents, and the design principles of advanced construction materials in relation to structural and environmental concerns. This unit is core to the Bachelor of Architecture. Contact hours: 5 hours per week. Class preparation: 2 hours per week. Assessment preparation: 30 hours per semester.

ARCH4203 Architectural Structures and Materials
Credit points: 6 Teacher/Coordinator: David Gunaratnam Session: Semester 2 Classes: 4 hours per week Corequisites: ARCH4201 and 4202 Prohibitions: DESC2102 Assessment: Quiz, Design Project Assignment & Case Study Assignment Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit focuses on structural design issues applicable to advanced structures that fall within the categories of wide-span and tall building structures, and provides knowledge required for their synthesis and preliminary design. It provides experience in making structural decisions within the context of building designs that exploit these classes of structures. It also provides information on the properties, processes and applications of a selected group of building materials. The unit is organised around four major sections: wide-span structures; tall building structures; foundations; and materials. The first major section reviews the structural developments of wide-span building structures. It discusses the types, behaviours and design issues for space frame, tension, membrane and shell structures; provides approximate behavioural models for this class of structures; presents information for selecting design parameters and for assembling systems from basic units; discusses different decision criteria used in decision-making, including structural efficiency, and construction implications for the different structural types and presents a number of case studies. The second component of this unit reviews the structural developments of tall building structures. It discusses planning implications on and strategies for the selection of appropriate structural systems and the behaviour under load of different types of lateral load resisting structures; presents a number of case studies, and discusses the effect of decision criteria such as cost and time on design decisions. The Foundations component discusses different types of footings and the context in which they are used. Topics considered include: geotechnical investigation; foundation and footing types - applications and impact on design and construction; retaining walls and basements; and special situations such as construction over fill, underpinning, expansive clays, slope stability and deep excavations. The final component discusses the properties and processes for a number of building materials from a performance requirement point of view. It considers the selection of materials based on design and constructional issues; includes materials such as cast-in-situ and precast concrete, glass and polymers; discusses types and uses of sealants and membranes; and explores the factors and mechanisms that promote corrosion in buildings, and the bases for the methods used in controlling corrosion. By the end of the unit students are expected to be familiar with the different structural strategies and systems (including footing systems) used in the synthesis of wide-span and tall building structures, and the context under which they are used. They are expected to be able to collect appropriate information, formulate the structural design requirements for wide-span and tall building structures, and to generate a number of alternative structural systems that satisfy the design requirements and to evaluate them based on decision criteria, such as cost and efficiency. Knowledge required for the selection of structural strategies, structural systems and materials, for a variety of design situations, are assessed through a quiz. Knowledge required for decision making within the structural design process, including formulation of structural design requirements, for wide-span buildings are assessed both through a case study and a design project assignment. This unit is core to the Bachelor of Architecture. Contact hours: 4 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

ARCH5101 Architectural Design Studio C
Credit points: 6 Session: Semester 1 Classes: 8 hours per week for 8 weeks Prerequisites: ARCH4201 Prohibitions: ARCH3104 Assessment: Attendance; tutorial participation, including staged exercises; and submission and presentation of developed design. Mode of delivery: Normal (lecture/lab/tutorial) Day

Architectural projects offered by Faculty staff and visiting design practitioners will introduce students to a range of design issues and ideas, drawing on contemporary theory and practice. At the conclusion students will have worked closely with a tutor on a unique project, absorbing the key issues informing the project and demonstrating an ability to translate these issues into a design project. Students will gain an understanding of a specific design outlook and process, as developed through weekly exercises and design development drawings and models. Also, the ability to translate this process into a developed design, presented as an architectural project at the end of the unit. This unit is core to the Bachelor of Architecture. Contact hours: 6 hours per week for 8 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

ARCH5201 Architectural Design Studio D
Credit points: 12 Session: Semester 2 Classes: 8 hours per week Prerequisites: ARCH4201 Corequisites: ARCH5202 Prohibitions: ARCH3105 Assessment: Assessment will be in the form of specific, short design exercises, attendance and a major design proposal presentation to a critique jury. Mode of delivery: Normal (lecture/lab/tutorial) Day

On the successful completion of this unit students will have demonstrated: an ability to graphically communicate an interpretation of a brief; an ability to formulate and present concepts useful to design from a brief and site; the ability to translate and extend these starting points into a working design proposal; a method of developing a design proposal in response to critique; the communication of design ideas effectively through appropriate graphic and three dimensional means using architectural conventions, and demonstrating the ability to cohesively design and execute a comprehensive presentation. This unit is core to the Bachelor of Architecture. Contact hours: 8 hours per week. Class preparation: 8 hours per week. Assessment preparation: 8 hours per week.

ARCH5202 Design Technology 2
Credit points: 6 Teacher/Coordinator: David Leifer Session: Semester 2 Classes: 2.5 hours per week Prerequisites: ARCH4202 Corequisites: ARCH5201 Prohibitions: ARCH3102, DESC2101 Assessment: Attendance, tutorial participation and Assignment. Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit is intended to cover the practicalities that need to be resolved when proposing a building. The proposal must be realistic in terms of planning, servicing, meeting the provisions of the Building Code of Australia, and funding. This unit concentrates on the implications of building services provision on space planning, building form and architectural design. It will instil in students an understanding of the vocabulary of building services so that they can usefully contribute to and direct the selection of servicing strategies and equipment choices in discussion with other building consultants. It will further nurture the student's ability to make early design 'guessimates' of the space needs and appreciation of the layout consequences of design decisions. At the successful completion of this unit of study, students will have demonstrated: an ability to realistically assess the services requirements for a building in terms of its usage; an ability to generate and assess alternative servicing strategies; an understanding of the advantages and disadvantages of different types of servicing equipment; an ability to prepare early 'guessimates' of the space and volume requirements of the servicing equipment; an ability to comprehend the potential spatial clashes between structure and services; and an awareness of the impact of the BCA Fire, Egress, 56
and Amenity provisions on design. This unit is core to the Bachelor of Architecture. Contact hours: 2.5 hours per week. Class preparation: 2.5 hours per week. Assessment preparation: 13 hours per semester.

ARCH6104 Theory in Architecture
Credit points: 6 Session: Semester 1 Classes: 2 hours per week

The unit examines recent and contemporary theory in architecture. Select examples will be emphasised, and their relationship to both theory and architecture discussed. At the conclusion students will be familiar with these key debates in theory, and will understand their terms and their relationship to architecture. Particular emphasis will be placed on theory related to modernity and to contemporary practice. On successful completion of this unit a student will have demonstrated: a familiarity with select examples of theory, and an understanding of the references and terms used as expressed in the student’s words in written or seminar format; and an ability to apply or relate specific theory to architecture, using the essay and/or graphic means to demonstrate this relationship between theory and architecture. This unit is core in the Bachelor of Architecture. Contact hours: 2 hours per week. Class preparation: 2 hours per week. Assessment preparation: 26 hours per semester.

ARCH6105 Studies in Innovative Construction
Credit points: 6 Teacher/Coordinator: Peter Armstrong Session: Semester 2 Classes: 3 hours per week
Prohibitions: ARCH6096 Assessment: An analysis in model form of an important structure of the student’s choice. Mode of delivery: Normal (lecture/lab/tutorial) Day

Studies in Innovative Construction is a series of investigations which elucidate the origins of buildings of iconic status, examining the intent of the architect in the context of prevailing technologies, social and economic determinants and cultural background. Buildings by famous architects will be analysed in terms of construction systems, materials and details, revealing the inner structure of the architecture and the foundations of built form. The unit is a series of studies of pivotal buildings and their architects, examining the relationship between the design intent of a project and its realisation in terms of materials, construction and detail. In the studies, exploration of the nature of the intellectual framework of the architect’s conceptual process and the means of realisation will give a clear understanding of the complex relationship between concept, actualisation and construction. The context of each building is looked at in terms of time, location, technology and cultural milieu, and in terms of the impact of context on fabric and detail. While dealing principally with the modern period, influential buildings of earlier periods will be included where significant patterns of influence have extended into the twentieth century. Change in technology and its impact on the relationship between form and detail will be studied with a view to understanding the materials and construction techniques expressed in building detail. Similarly, the influence of prevailing labour practices and cost on form and materials will be explored. The studies will generally centre on the works of famous architects, using their writings, sketches, detailed drawings and illustrations of the completed buildings. The examples include both contemporary and historical examples with examples drawn from both the broad streams of the European and American traditions and substantial material drawn from Eastern Asian design and practice. The objectives of the unit are: to understand the nature of built form and fabric in terms of time and place; to examine in detail the relationship between design outcomes and the process of construction; to examine the impact of technological change on design; to understand the conceptual processes of famous architects in terms of the social, technical and cultural constraints within which they worked; to examine and contrast the national characteristics of the major periods of architectural development in each country; and to understand the ongoing influence of building traditions in contemporary culture. The unit is an elective offered in the Bachelor of Architecture only. Contact hours: 3 hours per week. Class preparation: 2 hours per week. Assessment preparation: 24 hours per semester.

ARCH6201 Management in Architecture
Credit points: 6 Teacher/Coordinator: Peter Armstrong Session: Semester 2 Classes: 3 hours per week
Prerequisites: ARCH4103 Prohibitions: ARCH3106, ARCH3107 Assessment: written exercises, tutorial participation, examination. Mode of delivery: Normal (lecture/lab/tutorial) Day

Students are expected to demonstrate a capacity to identify specific issues and articulate methods of resolving related problems with specific reference to the links between the contacts, their administration, the architect’s responsibility to the contracted parties, and how these issues can impact on the design and construction of a building project. This unit provides information on the practice of architecture with particular emphasis on the obligations and responsibilities of architects to clients, builders, consultants and the community and to the administration of contracts commonly used in the procurement of buildings. The unit provides instruction in: the regulation of the architectural profession; roles of consultants and their selection, engagement, coordination and responsibilities; modes of practice, conditions of engagement for architects; fee structures; meeting procedures; pre-contract management; contract selection and administration; alternative procurement methods and the relationship of these factors in completing a building project. On the successful completion of this unit of study, students will have demonstrated: an understanding of an architect’s responsibilities; an understanding of the management of architectural practices; an understanding of the manner in which architects are involved in contract administration, and commonly used procurement methods within the building industry. This unit is core in the Bachelor of Architecture. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

ARCH6301 Design Studio Workshop A
Credit points: 6 Teacher/Coordinator: Professor Tom Heneghan Session: Semester 1, Semester 2 Classes: 40 hours intensive Assessment: design jury. Mode of delivery: Block Mode
Note: Department permission required for enrolment.

Note: This unit is intended primarily for students in the BArch. Students from the Bachelor of Design in Architecture must be in Design Practice 2 or 3 and must have a distinction average in Design Practice to enrol.

Through design projects offered by visiting national and international design practitioners and Faculty staff, this unit of study will provide students with the opportunity to explore a wide range of design issues and ideas in an intensive design studio environment. At the successful completion of this unit of study students will have: extended their ability to develop creative responses to a design brief or situation; extended their understanding of the theoretical, historical, cultural, environmental or technical framework of design; applied these understandings and demonstrated good architectural judgement; and communicated these ideas and understandings effectively through presentation means including drawings, models and CAD, which are assessed in a jury context. Completion of one of the four Design Studio Workshops offered is a core requirement for the Bachelor of Architecture. In other courses it is an elective. Contact hours: 40 hours intensive. Assessment and preparation: 38 hours.

ARCH6302 Design Studio Workshop B
Credit points: 6 Teacher/Coordinator: Professor Tom Heneghan Session: Semester 1, Semester 2 Classes: 40 hours intensive Assessment: design jury. Mode of delivery: Block Mode
Note: Department permission required for enrolment.

Note: This unit is intended primarily for students in the BArch. Students from the Bachelor of Design in Architecture must be in Design Practice 2 or 3 and must have a distinction average in Design Practice to enrol.

Through design projects offered by visiting national and international design practitioners and Faculty staff, this unit of study will provide students with the opportunity to explore a wide range of design issues
and ideas in an intensive design studio environment. At the successful completion of this unit of study students will have: extended their ability to develop creative responses to a design brief or situation; extended their understanding of the theoretical, historical, cultural, environmental or technical framework of design; applied these understandings and demonstrated good architectural judgement; and communicated these ideas and understandings effectively through presentation means including drawings, models and CAD, which are assessed in a jury context. Completion of one of the four Design Studio Workshops offered is a core requirement for the Bachelor of Architecture. In other courses it is an elective. Contact hours: 40 hours intensive. Assessment and preparation: 38 hours.

**ARCH6303**

**Design Studio Workshop C**

Credit points: 6 Teacher/Coordinator: Professor Tom Heneghan Session: Semester 1, Semester 2 Classes: 40 hours intensive Assessment: design jury Mode of delivery: Block Mode Note: Department permission required for enrolment.

Note: This unit is intended primarily for students in the BArch. Students from the Bachelor of Design in Architecture must be in Design Practice 2 or 3 and must have a distinction average in Design Practice to enrol.

Through design projects offered by visiting national and international design practitioners and Faculty staff, this unit of study will provide students with the opportunity to explore a wide range of design issues and ideas in an intensive design studio environment. At the successful completion of this unit of study students will have: extended their ability to develop creative responses to a design brief or situation; extended their understanding of the theoretical, historical, cultural, environmental or technical framework of design; applied these understandings and demonstrated good architectural judgement; and communicated these ideas and understandings effectively through presentation means including drawings, models and CAD, which are assessed in a jury context. Completion of one of the four Design Studio Workshops offered is a core requirement for the Bachelor of Architecture. In other courses it is an elective. Contact hours: 40 hours intensive. Assessment and preparation: 38 hours.

**ARCH6304**

**Design Studio Workshop D**

Credit points: 6 Teacher/Coordinator: Professor Tom Heneghan Session: Semester 1, Semester 2 Classes: 40 hours intensive Assessment: design jury. Mode of delivery: Block Mode Note: Department permission required for enrolment.

Note: This unit is intended primarily for students in the BArch. Students from the Bachelor of Design in Architecture must be in Design Practice 2 or 3 and must have a distinction average in Design Practice to enrol.

Through design projects offered by visiting national and international design practitioners and Faculty staff, this unit of study will provide students with the opportunity to explore a wide range of design issues and ideas in an intensive design studio environment. At the successful completion of this unit of study students will have: extended their ability to develop creative responses to a design brief or situation; extended their understanding of the theoretical, historical, cultural, environmental or technical framework of design; applied these understandings and demonstrated good architectural judgement; and communicated these ideas and understandings effectively through presentation means including drawings, models and CAD, which are assessed in a jury context. Completion of one of the four Design Studio Workshops offered is a core requirement for the Bachelor of Architecture. In other courses it is an elective. Contact hours: 40 hours intensive. Assessment and preparation: 38 hours.

**AWS2001**

**Public Art**


Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

The field of public art is rapidly growing and as such has generated much debate and interest. What exactly is public art? The aim of this unit is to provide students with a broad overview of the issues that influence and inform the production of art in the public sphere: history and theory of public art, policy and management, conservation, community response and evaluation, current local and international practice. It aims to develop each student’s ability to critically analyse and be able to enter into debate (both written and spoken) on public art issues, especially in the relationship to architecture. Field trips, artist/commissioner talks, case studies, (such as the Vietnam Memorial in Washington and the Sydney Olympic Public Art Projects) and slide lectures will complement the theoretical content of Public Art. On the successful completion of this unit of study a student will demonstrate the learning objectives through: being familiar with a wide range of issues about the public art field and from this point be able to enter into an informed debate about this field. This may occur through group discussion, seminar presentation and essay writing; investigating and developing a critical analysis of a specific area of public art. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other programs. Contact hours: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 39 hours of self directed study, which includes a substantial research journal, independent research.

**AWS2002**

**Site Specific Art**

Credit points: 6 Session: 51 Intensive, Semester 2 Classes: Practical studio work. 3 hours per week. Prohibitions: DESA2619 Assessment: 40%: commitment and experiment, 40% quality of work produced and/or of project being investigated, and 20% contribution to discussion. Mastery tasks: site investigation, research report on one artist, gallery & public art activity sheet, journal. Practical field work: Studio practice. Mode of delivery: Normal (lecture/lab/tutorial) Day
This practical unit aims to give students a broad understanding of how site-specific art functions as a contemporary art medium, including its historical development and relationship to other visual art forms and architecture. Students will gain experience in ways of selecting and analysing sites for the purposes of incorporation into artwork. Students will begin to develop an individual art practice through experience in making a range of temporary site specific artworks. Students will also begin to develop ways of analysing and evaluating site specific artworks generally, and their own in particular, through directed group discussions of each others work, of a site specific artwork on a site visit, and of other site specific artworks presented in slide form, as well as through directed individual research out of class time. On successful completion of this unit of study students will have demonstrated: the ability to: select and analyse a site for the purposes of developing site specific art; develop, plan and make site specific artworks which articulate particular responses to a site; evaluate your own and other site specific artwork in discussion and writing; and understand ways in which site-specific functions within contemporary art and architecture. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other programs. Contact hours: 3 hours per week. Student effort expected for an average student to achieve a pass level result: 8 hours Site investigation project; 13 hours Journal record and evaluate own and other students’ artwork; 13 hours Research: general readings, specialised research on one artist; 5 hours Activity Sheet: record of gallery and public art visits.

AWSS2101 Ceramics 2
Credit points: 6
Teacher/Coordinator: Mark Jones
Session: Semester 2
Classes: Practical studio work. 39 hours per semester.
Prohibitions: DESA2633
Assessment: Assessment is based on attendance, application and participation (marks will be deducted after 1 missed class)
Practical field work: Studio practice
Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This practical unit aims to give students an introduction to the varied techniques of throwing on the wheel to produce vessels and designed forms. The emphasis is on the art and craft of this age old method of construction. There will be an investigation of this practice at both historical and contemporary levels. Various techniques will be introduced including combination throwing and handbuilding, turning, glazing and brushwork with slips and underglazes. At the successful completion of this unit of study students will have demonstrated: the ability to centre, throw, turn and apply handles to ceramic vessels through demonstration and practical studio work; the ability to develop brushwork designs using slips and underglazes and keeping a studio journal; a basic understanding of technical issues associated with ceramic production through making vessels and forms and the keeping of a studio journal; an awareness of historical and contemporary approaches to wheel made ceramics from slide lectures, gallery visits, demonstrations and keeping a studio journal; the ability to use technical/development workshop practice to produce vessels and keeping a studio journal; Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other programs. Contact hours: 39 hours per semester. Class preparation and assessment: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 14 hours Research/process journal, 15 hours Independent Studio time, 6 hours Gallery visit and written report, 4 hours presentation of final work to class.

AWSS2010 Ceramics (Wheel Throwing)
Credit points: 6
Teacher/Coordinator: Mark Jones
Session: Semester 1
Semester 2
Classes: Practical studio work. 39 hours per semester.
Prohibitions: DESA2634
Assessment: Assessment is based on attendance, application and participation (marks will be deducted after 1 missed class)
Practical field work: Studio practice
Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This practical unit aims to give students the understanding to create handbuilt ceramic constructions that will be fired and glazed. Students will explore the plastic properties of clay as well as glazing, underglazing and surface treatments. There will be an investigation of handbuilt ceramics at both historical and contemporary levels. Various techniques will be introduced including combinations of coil, slab and pinch construction. Projects include slab and coil construction and combinations of coil, slab and pinch construction. Various surface finishes such as brushwork, glazing and sculptural relief applications will be introduced including coloured underglazes, slips and glazes. At the successful completion of this unit of study students will have demonstrated: the ability to design work from concept to finished object by making forms and keeping a studio journal; the ability to use brushwork and coloured glaze and underglaze applications through class demonstrations and work on projects; the ability to construct forms from demonstrations and keeping a studio journal; a basic understanding of technical issues associated with ceramic production through making vessels and forms and the keeping of a studio journal; the ability to use technical/development workshop practice to produce forms and vessels and keeping a studio journal. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other programs. Contact hours: 39 hours per week. Class preparation and assessment: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 14 hours Research/process journal, 15 hours Independent Studio time, 6 hours Gallery visit and written report, 4 hours presentation of final work to class.

AWSS2011 Ceramics (Wheel Throwing)
Credit points: 6
Teacher/Coordinator: Mark Jones
Session: Semester 1
Semester 2
Classes: Practical studio work. 39 hours per semester.
Prohibitions: DESA2631
Assessment: Assessment is based on attendance, application and participation (marks will be deducted after 1 missed class)
Practical field work: Studio practice
Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This practical unit aims to give students the understanding to design from demonstrated throwing on the wheel and making forms and designed forms. The emphasis is on the art and craft of this age old method of construction. There will be an investigation of this practice at both historical and contemporary levels. Various techniques will be introduced including combination throwing and handbuilding, turning, glazing and brushwork with slips and underglazes. At the successful completion of this unit of study students will have demonstrated: the ability to centre, throw, turn and apply handles to ceramic vessels through demonstration and practical studio work; the ability to develop brushwork designs using slips and underglazes and keeping a studio journal; a basic understanding of technical issues associated with ceramic production through making vessels and forms and the keeping of a studio journal; an awareness of historical and contemporary approaches to wheel made ceramics from slide lectures, gallery visits, demonstrations and keeping a studio journal; the ability to use technical/development workshop practice to produce vessels and keeping a studio journal; Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other programs. Contact hours: 39 hours per semester. Class preparation and assessment: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 14 hours Research/process journal, 15 hours Independent Studio time, 6 hours Gallery visit and written report, 4 hours presentation of final work to class.

AWSS2011 Ceramics (Wheel Throwing)
Credit points: 6
Teacher/Coordinator: Mark Jones
Session: Semester 1
Semester 2
Classes: Practical studio work. 39 hours per semester.
Prohibitions: DESA2631
Assessment: Assessment is based on attendance, application and participation (marks will be deducted after 1 missed class)
Practical field work: Studio practice
Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This practical unit aims to give students the understanding to create handbuilt ceramic constructions that will be fired and glazed. Students will explore the plastic properties of clay as well as glazing, underglazing and surface treatments. There will be an investigation of handbuilt ceramics at both historical and contemporary levels. Various techniques will be introduced including combinations of coil, slab and pinch construction. Projects include slab and coil construction and combinations of coil, slab and pinch construction. Various surface finishes such as brushwork, glazing and sculptural relief applications will be introduced including coloured underglazes, slips and glazes. At the successful completion of this unit of study students will have demonstrated: the ability to design work from concept to finished object by making forms and keeping a studio journal; the ability to use brushwork and coloured glaze and underglaze applications through class demonstrations and work on projects; the ability to construct forms from demonstrations and keeping a studio journal; a basic understanding of technical issues associated with ceramic production through making vessels and forms and the keeping of a studio journal; the ability to use technical/development workshop practice to produce forms and vessels and keeping a studio journal. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other programs. Contact hours: 39 hours per week. Class preparation and assessment: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 14 hours Research/process journal, 15 hours Independent Studio time, 6 hours Gallery visit and written report, 4 hours presentation of final work to class.

AWSS2011 Ceramics (Wheel Throwing)
Credit points: 6
Teacher/Coordinator: Mark Jones
Session: Semester 1
Semester 2
Classes: Practical studio work. 39 hours per semester.
Prohibitions: DESA2631
Assessment: Assessment is based on attendance, application and participation (marks will be deducted after 1 missed class)
Practical field work: Studio practice
Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This practical unit aims to give students the understanding to design from demonstrated throwing on the wheel and making forms and designed forms. The emphasis is on the art and craft of this age old method of construction. There will be an investigation of this practice at both historical and contemporary levels. Various techniques will be introduced including combination throwing and handbuilding, turning, glazing and brushwork with slips and underglazes. At the successful completion of this unit of study students will have demonstrated: the ability to centre, throw, turn and apply handles to ceramic vessels through demonstration and practical studio work; the ability to develop brushwork designs using slips and underglazes and keeping a studio journal; a basic understanding of technical issues associated with ceramic production through making vessels and forms and the keeping of a studio journal; an awareness of historical and contemporary approaches to wheel made ceramics from slide lectures, gallery visits, demonstrations and keeping a studio journal; the ability to use technical/development workshop practice to produce vessels and keeping a studio journal; Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other programs. Contact hours: 39 hours per semester. Class preparation and assessment: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 14 hours Research/process journal, 15 hours Independent Studio time, 6 hours Gallery visit and written report, 4 hours presentation of final work to class.
materials while the process of printing on the etching press provides exercises in plate making focuses on techniques and knowledge of making techniques, and their different applications through studio based unit, students will gain knowledge of fundamental plate combining collage, photography, photocopy art, textural found objects, units.

Note: Enrolment numbers are limited by space and equipment constraints.

Contact hours: 39 hours per semester. Class preparation and assessment: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 14 hours Research/process journal, 15 hours Independent Studio time, 6 hours Gallery visit and written report; 4 hours presentation of final work to class.

AWS2013
Digital Video
Credit points: 6
Session: Semester 1, Semester 2
Classes: Practical studio work, 39 hours per semester
Prohibitions: DESA2632
Assessment: Assessment is based on participation, process/research journal, practical digital video skills and completed projects.

Practical field work: Studio practice
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Note: Enrolment numbers are limited by space and equipment constraints.
Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This practical unit aims to explore the language(s) of moving images, conventions of framing, movement and editing, develop a fundamental understanding of the technical aspects of pre-production, production and post-production; and generate independent and cooperative production using a variety of media. Digital video systems with contemporary editing software will be used. Emphasis is placed on skills development, process and conceptual awareness. The module is divided into units exploring approaches to lighting, shooting, editing, sound production and concept development for film and video. At the successful completion of this unit of study students will have demonstrated: technical proficiency in the diverse areas of pre-production, production and post-production; understand conventions of classical continuity and main visual styles; and produce a moving image piece. Students are assessed in the context of theoretical understanding and technical aptitude in the various aspects of moving image production. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses.

Contact hours: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 39 hours of self directed study, which includes a substantial process journal, research, studio practice and gallery/studio visits and class preparation.

AWS2015
General Drawing
Credit points: 6
Session: Semester 1, Semester 2
Classes: Practical studio work, 39 hours face to face teaching per semester
Prohibitions: DESA2633
Assessment: Attendance: 10%, Studio skills, image conception, research journal 30%, Print portfolio: 60%
Practical field work: Studio practice
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Note: Enrolment numbers are limited by space and equipment constraints.
Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This module aims to provide the student with the knowledge, skills and aptitude required to use a range of fundamental drawing skills and media to make a portfolio of drawings based on observation of the physical world. The module aims to increase the student's level of skill in representational, interpretive and expressive areas of drawing, using a wide range of drawing media and techniques, focusing on the formal aspects of composition, perspective, using a wide range of mark-making methods to render line, tonal value and texture as well as developing dynamic and expressive approaches to drawing. Students will be provided with the opportunity to combine sound observational skills with imaginative and experimental techniques in order to encourage a personal vision and style and a commitment to the practice of drawing as a discipline in its own right as well as a fundamental skill in all studio areas. Each technique and approach will be presented against a background of art history and theory. On successful completion of this unit of study students will have demonstrated familiarity with a range of drawing media and techniques, media including charcoal, graphite, conte, pen and brush and ink, as well as being introduced to mixed media and collage. Students will be able to draw the physical world with observational accuracy as well as to express a personal interpretive or imaginative response; be able to make an informed critical response to other artists' drawings, and be able to criticise and select from their own work for their final portfolio. Students will understand the importance of maintaining a visual diary as a site to record all their visual and conceptual research, and in which to draw on a daily basis as a means to develop both skills and ideas. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses.
Contact hours: 39 hours face to face teaching per semester. Student effort expected for an average student to achieve a pass level result: 39 hours of self-directed study, which includes a substantial process journal, research, studio practice and gallery/studio visits and class preparation.

AWS2016

Graphic Design (Introduction)

Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 39 hours face to face teaching per semester. Prohibitions: DESA2637 Assessment: Process journal 10%, attendance + participation in studio exercises + critiques 10%, successful completion of studio exercises 15%, group presentation 10%, type history research 10%, final project 45%. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This unit of study assumes the student knows little or nothing about graphic design. The aim is to introduce basic design principles and processes, examining the use of design elements, the construction of meaning in visual communications, research methods and the relationships between type, image and form. The unit involves practical studio work with a lecture series that introduces students to the history, theory and practice of graphic design and typography. Preliminary exercises develop an understanding of the basic skills, concepts and materials of visual communication and document layout. Students learn about the elements of design, page composition and the use of type and image. Understanding of the integration of type and image is applied in the final project. Students consider how information is transmitted and interpreted and develop an understanding of the key roles of the media form, the audience and the communication objective. Students address the issues of style and meaning in contemporary design and typography and are required to research and present a journal of collected print samples and readings that expand their knowledge. This unit aims to: introduce the principles, history, theory and practice of graphic design and typography; develop an understanding of the relationships between type, image and form; develop visual literacy, critical analysis and articulation skills in the research, application, presentation and critique of contemporary design; develop experimental approaches to design concept, application and presentation; integrate traditional hand-generated techniques with digital processes; develop project management skills in the research, processing, production and presentation of design outcomes; develop an experiential learning approach to design research through a process of experimentation, observation, analysis and critical self-reflection; and develop an understanding of the criteria for the evaluation of visual communication effectiveness. On successful completion of this unit of study students will have demonstrated: an awareness of the field of graphic design and typography and the body of knowledge about its history, theory and practice; experimental approaches to the generation and manipulation of type and image in document layouts; self-reliance in conducting independent research, analysis and processing of information about design issues, and self-direction in learning; an creative approach to experimentation in different media, forms and techniques; an integration of traditional techniques with digital processes; successful management of the production and presentation of a graphic design print outcome to a professional standard; an ability to articulate design intent, concepts and proposals; a successful approach to planning and achieving goals within a team context, with consideration for professional practice and lifelong learning; and an understanding of realistic self-evaluation techniques involving independent critical self-reflection and creative thought. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 14 hours research and process journal, 8 hours production and completion of studio exercises, 7 hours presentation preparation, 10 hours final project research, processing, production, presentation preparation.

AWS2018

Life Drawing

Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 39 hours face to face teaching per semester. Prohibitions: DESA2641 Assessment: Attendance and studio practice 20%, familiarity with materials and techniques 20%, selection of a portfolio of 15 drawings representative of the exercises and projects undertaken throughout the course, 60%. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This module aims to provide the student with the knowledge, skills and aptitude required to use a range of fundamental drawing skills to make a portfolio of work based on observation of the human body through the use of life models. The module aims to increase the student’s level of skill in representational, interpretive and expressive areas of drawing, using a wide range of drawing media and techniques, focussing on the formal aspects of composition, anatomy, scale, proportion and foreshortening as well as developing dynamic approaches to drawing the human body. Students will be provided with the opportunity to combine sound observational skills with imaginative and experimental techniques in order to encourage a personal vision and style and a commitment to the practice of drawing as a discipline in its own right. Each technique and approach will be presented against a background of art history and theory. On successful completion of this unit of study students will have demonstrated familiarity with a range of drawing media and techniques, be able to apply these within a range of approaches to depict the human body, be able to respond to both short and long poses, be able to draw the human body with observational accuracy as well as to express a personal interpretive or imaginative response; be able to make an informed critical response to life drawings, and be able to criticise and select from their own work for their final portfolio. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 39 hours of self directed study, which includes a substantial process journal, research, studio practice and gallery/studio visits and class preparation.

AWS2019

Mixed Media

Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 39 hours face to face teaching per semester. Prohibitions: DESA2616 Assessment: Participation, process/research journal, practical studio skills, completed projects. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

In the twentieth century mixed media profoundly changed the form and content of visual arts. Mixed Media examines these developments through practical classes, slide lectures and discussion. Collage, assemblage, montage, photocopy art and the more traditional disciplines of drawing and printmaking are included in mixed media. This unit of study presents students with a wide range of art materials, techniques and concepts. It aims to develop skill in and knowledge of various formal considerations in art practice: scale, line, texture, colour, space, shape etc. as well as understanding the conceptual bases of artwork. Through a set of preparatory exercises and finished artworks students can explore and develop creative expression, technical abilities and knowledge of materials. An awareness of art history/theory in relation to mixed media will be presented and discussed to inform the student's own approach to image making. On the successful completion of this unit of study you will demonstrate the learning objectives through: exploring and using a variety of media, techniques and knowledge about the visual arts; taking this knowledge, learnt in preparatory exercises and developing it into finished art works that then form a substantial portfolio of works; using an awareness of
The module aims to provide the student with the knowledge, skills and aptitude required to use a range of fundamental painting skills to make a portfolio of work based on observation of the physical world, and to experiment with imaginative applications of acrylic or oil media. Students with little or no experience with painting will be shown how to prepare grounds, mix colours, make a tonal scale in colour, then undertake practical work in observational painting including still-life

and interior (painting form, modelling and shading techniques, use of pure colour), landscape (compositional techniques, perspective, use of grounds), the nude and self-portraiture (painting with a life model, anatomy). Each project will be presented against a background of relevant art history and conceptual approaches, including, where appropriate, contemporary approaches to style and appropriation, the decorative, text, collage and abstraction. Students will be shown how to use a visual diary as their research/process journal which will include all their visual and conceptual research. On successful completion of this unit of study the student will have demonstrated familiarity with a range of acrylic or oil media, be able to apply basic colour theory, to mix secondary and tertiary colours, and to create a wide tonal range; be able to use imaginative approaches to observing and painting the visible world based on sketches and studies; be able to make an informed critical response to paintings whose subject, style or technical approaches fall within the project areas studied, and be able to develop a painting from research stage to completion. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 39 hours per week. Student effort expected for an average student to achieve a pass level result: 39 hours of self-directed study, which includes a substantial process journal, research, studio practice and gallery/studio visits and class preparation.

AWSS2020
Object Design
Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 39 hours face-to-face studio teaching. Prohibitions: DESA2643 Assessment: Participation and exercises (15%), research projects (35%), major project: design development, documentation, manufacture, presentation of completed object (50%). Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

In this unit students develop and inter-relate manufacturing and artisan skills with research, analysis and design development. The unit aims to develop a critical awareness of the nature of all objects which surround us, exploring cultural, contextual and symbolic aspects of object design as well as functional and aesthetic qualities. Sustainability and social issues relating to their manufacture, use and disposal are also discussed. The unit aims to increase appreciation of the materiality of objects focusing on timber as an example and introduces students to the wonderful diversity of timber species, environmental and ethical issues associated with their selection, and also emerging alternative materials. Through a series of exercises and production of their major project, students develop knowledge of construction techniques and skills in using wood/plastics tools and machinery and in so doing, build an awareness of industrial and craft practices and how they impact on the design process and outcome.

It is expected that at the successful completion of this unit you will have: designed and manufactured a functional, meaningful and finely crafted object which demonstrates an ability to successfully integrate material properties, technical process, social objectives, function and form; presented written research and participated in discussion which demonstrates a knowledge of and ability to utilise theory to analyse and evaluate objects and environments; demonstrated initiative in finding research materials and undertaken meaningful research (involving critical complex thinking); and confidence in working safely with various materials, tools and machinery. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Hours per semester: 39 hours face-to-face studio teaching; 13 hours independent studio time; 12 hours research projects; 14 hours design development, documentation, presentation.

AWSS2022
Painting
Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 39 hours per week. Prohibitions: DESA2635 Assessment: Attendance and studio practice 20%, familiarity with materials and techniques 20%, 3 major projects each 20%. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This module aims to provide the student with the knowledge, skills and aptitude required to use a range of fundamental painting skills to make a portfolio of work based on observation of the physical world, and to experiment with imaginative applications of acrylic or oil media. Students with little or no experience with painting will be shown how to prepare grounds, mix colours, make a tonal scale in colour, then undertake practical work in observational painting including still-life

and interior (painting form, modelling and shading techniques, use of pure colour), landscape (compositional techniques, perspective, use of grounds), the nude and self-portraiture (painting with a life model, anatomy). Each project will be presented against a background of relevant art history and conceptual approaches, including, where appropriate, contemporary approaches to style and appropriation, the decorative, text, collage and abstraction. Students will be shown how to use a visual diary as their research/process journal which will include all their visual and conceptual research. On successful completion of this unit of study the student will have demonstrated familiarity with a range of acrylic or oil media, be able to apply basic colour theory, to mix secondary and tertiary colours, and to create a wide tonal range; be able to use imaginative approaches to observing and painting the visible world based on sketches and studies; be able to make an informed critical response to paintings whose subject, style or technical approaches fall within the project areas studied, and be able to develop a painting from research stage to completion. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 39 hours per week. Student effort expected for an average student to achieve a pass level result: 39 hours of self-directed study, which includes a substantial process journal, research, studio practice, gallery/studio visits and class preparation.

AWSS2023
Photography 1
Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 39 hours per semester. Prohibitions: DESA2629 Assessment: Application and participation 25%, technical skills includes flawless prints: 30%, creative ideas and composition: 30%, portfolio: 10%, photography quiz 10%. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This practical unit aims to give students an understanding of how photography functions as a contemporary visual medium, including its historical development. Students will gain knowledge of the principles and practise of camera operations, the production of high quality black and white negatives and prints in small studio style classes. This module covers the use of a 35mm SLR camera, image composition, use of lighting, film developing and printing photographs. Practical work includes darkroom, gallery visits, completion of set class projects, technical exercises, class discussions and the production of a portfolio. On successful completion of this unit of study you will be able to: demonstrate your knowledge of camera operations, film and print developing through darkroom practise and the production of a portfolio of black and white prints; use an understanding of photography practise and theory to inform decision making in your creative process as well as entering into thoughtful debate; reflect on your art practise through class and tutor critique sessions and from this point realistically evaluate your own work; gain an awareness of how photography theory and practise relates to your coursework. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: Class preparation 39 hours per semester, assessment preparation 5 hours, 30 hrs independent studio practise, 4 hrs photography quiz/research task, 5 hrs presentation of portfolio.

AWSS2024
Photography 2
Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 3 hours per week. Prerequisites: AWSS2023 or DESA2629 or equivalent. Equivalence can be established by either presenting a portfolio of b&w photographic work or by presenting a transcript indicating a minimum of a full semester unit in b&w photography. Prohibitions: DESA2642 Assessment: Take-home test, class contribution, portfolio. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their
In this unit of study, students will have the opportunity to develop creative photographic projects from initial ideas to production of artwork, producing two major photographic series which function successfully at both an aesthetic and a conceptual level. They will have the opportunity to research and experiment with a variety of different ideas and take an experimental approach to photography, trying different techniques and considering which will best serve the intentions of the artwork. Through visits to photographic galleries, class discussion and written evaluations they will develop their ability to evaluate and discuss the way in which a body of artwork (own and others) functions technically and conceptually. By the end of the unit they will have experienced planning and efficiently managing the time allocated to projects, and will also understand and be able to apply all aspects of darkroom practice including co-operation in a practical work environment and Occupational Health and Safety (OHS) essentials. Through this unit of study students should be able: to develop through your input in class discussions and written assignments your ability to evaluate, analyse and discuss aspects of visual culture appropriate to the course of study; to develop through your darkroom practice and interaction with others your ability to work in small groups; to learn and interpret a component; to learn and experiment with a variety of different photographic techniques and identify which ones will be most useful in completing the major projects; to successfully complete a portfolio of experimental photographic work which showcases the technical and conceptual skills you apply to two main assignments; to use a range of technical processes to develop a series of images based on a particular theme; to use the technical process of pushing film in a low-light photographic context, to produce a fictional narrative series based on the concept of film noir; to show through your work during the unit and the finished product in your portfolio your ability to think about, plan, and successfully develop, from concept to completion, a body of photographic artwork. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 3 hours per week. For an average student to achieve a pass level: Class preparation 2.5 hours per week.

AWSS2025 Screen Printing on Fabric
This unit of study is not available in 2007
Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Art Workshops with their request to enrol. Materials costs are incurred in some Art Workshops units.

Aims This studio-based unit will introduce students to screen printing on fabric. It aims to provide students with: knowledge and skills to design for and print on fabric; awareness and appreciation of textile design in both historical and contemporary contexts; a wide variety of techniques and design exercises that can then be developed into finished textile prints that exhibit an imaginative understanding of variety of techniques and design exercises. This studio work is supported by a substantial process journal, research, practice, set exercises, slide-lectures, gallery visits and class preparation.

AWSS2026 Screen Printing on Paper
Note: Department permission required for enrolment.
Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This studio-based unit will introduce students to screen printing on paper, in both graphic design and contemporary art contexts. Screen-printing is most commonly known as a commercial process, however many artists have used this printmaking technique not only for its versatile aesthetic qualities but to comment on the way art is perceived in the age of mass media and consumerism. It aims to provide students with: the knowledge and skills to design for print and be able to apply that knowledge to your designs. Your ability to think through a range of design ideas and begin to develop original interpretations will be demonstrated in your journal and final print. Generic attributes developed in this UoS Through this unit of study a student will: - have a body of knowledge in the field of textile design and printing; - be able to develop critical thinking, realistic self-evaluation and imaginative thinking as outlined in the objectives; - develop the ability to plan and achieve a goal through a self-directed fine project; - be able using knowledge learned in this unit of study, (eg. colour theory and surface design techniques) and apply them to new situations; Contribution of UoS to program This unit is an elective within the Allied Arts stream of the BDesArch degree. Elective in other courses. Students able to take this unit of study are drawn from a wide range of programmes both from within the Faculty of Architecture and the wider university. It contributes to a critical awareness of art and design, an understanding of how practice and theory interrelate, develops the student's understanding of the cultural context in which they live and finally how they may develop their own interpretations and ideas. Student effort expected Contact hours: 39 hours face to face teaching/sem Student effort expected for an average student to achieve a pass level result: 39 hours of self directed study, which includes a substantial process journal, research, studio practice, gallery/studio visits and class preparation.

11. Undergraduate unit of study descriptions
teaching per semester. Student effort expected for an average student to achieve a pass level result: 39 hours of self directed study, which includes a substantial process journal, research, studio practice and gallery/studio visits and class preparation.

AWS2027 Sculpture
Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 39 hours per semester. Prohibitions: DESA2636 Assessment: Attendance is based on attendance to classes, studio practice, research journal, seminar presentation, independent work and planning and on the conscientious attempt to develop skills and execute ideas as evident in the two completed projects. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

The aim of this unit of study is to develop knowledge and abilities in all areas, practical, historical and theoretical relevant to the making of sculpture. You will gain competence to work with a broad range of materials and sculptural techniques such as clay modelling, plaster-mould making, casting, soldering, brazing and welding which will be used to explore elementary aspects of three-dimensional form and space. You will be required to design, plan and complete two projects, a casting in plaster and a work using metal. In addition to this you will need to independently research historical precedents and contemporary practice in sculpture and discuss your ideas and development of your work in class. On the successful completion of this unit of study the student will have: demonstrated a developed awareness and ability to interpret, evaluate and understand three-dimensional space and form relating to sculpture; demonstrated a developed competence in the use of a range of different material and sculptural processes and techniques; demonstrated initiative and resourcefulness of research, creative design and planning; demonstrated an ability of written, visual and verbal communication relating to the subject of sculpture and your own work. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 39 hours of self directed study, which includes a substantial process journal, research, studio practice and gallery/studio visits and class preparation.

AWS2028 Web Art and Design
Credit points: 6 Session: Semester 1, Semester 2 Classes: Practical studio work. 39 hours per semester. Prohibitions: DESA2640 Assessment: Attendance and studio practice 20%, familiarity with software and techniques 20%, selection of a portfolio of web art representative of the exercises and projects undertaken throughout the course, 60%. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

The Web art and design unit of study aims to introduce Web design and internet page creation within the context of contemporary art. The physical class will enable students to build a website using current software. The aim is to encourage engagement with the net in terms of its creative potential and cultural relevance rather than its commercial and educational uses. Students will investigate use of the internet by contemporary artists in such diverse areas as media arts, architecture, hypertext writing and other emerging forms of net art that engage with very form of the Internet. Students are expected to have a basic knowledge of Web design and the internet. At the successful completion of this unit of study students will have demonstrated the skills necessary to design, build and publish your own internet site on the World Wide Web. This site will show an understanding of the complex place and construction of Web art. In addition to using the latest internet browsers, students will develop a knowledge of Dreamweaver (and other contemporary software) and Photoshop and current publishing programs. A critical awareness of Web design as a contemporary visual medium will be demonstrated through discussion, a research journal and completed projects. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 17 hours research/process journal, 18 hours independent studio time, 4 hours presentation of final work to class, class preparation and assessment.

AWS2090 Advanced Art Studio
Credit points: 6 Session: Semester 1 Classes: Practical studio work. 39 hours per semester. Prerequisites: Any AWS unit with a result of Credit or better Prohibitions: DESA2608, DESA2609 Assessment: Assessment is based on completed artwork for exhibition, process journal, contribution to catalogue and exhibition setup and research essay. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units.

This unit aims to allow students to extend and develop skills and knowledge gained in the Art Studio workshops. Through an advanced use of media, art/architectural theory lectures and seminars, the production of visual research journal and a final exhibition project, students should be able to integrate their skills and knowledge in the creation of an artwork. A critical and conceptual approach to image and object making will be further developed around a set theme. The theme changes each year and will be published prior to enrolment. Students will write a 2000 word essay and present a seminar in addition to practical work. Students will also be involved in catalogue production and exhibition setup as well as a professional presentation of their work. At the successful completion of this unit of study students will have demonstrated an understanding of advanced principles and practice in the studio they are participating in as well as highly developed conceptual approach to the production of their artwork. Students will gain skills in researching and writing a theoretically based essay on a topic related to the year’s theme, and in presenting a seminar based on a set reading. Students will gain experience in presenting and installing their artwork into an exhibition environment and contributing to a catalogue of the exhibition. Allied Arts in Architecture stream for the Bachelor of Design in Architecture and elective for other courses. Contact hours: 39 hours per semester. Student effort expected for an average student to achieve a pass level result: 39 hours per semester class preparation and assessment.

DAAE2001 20th Century Australian Architecture

The unit will introduce students to a range of architectural styles and aspirations in Australia. Lectures and seminars will cover key buildings representative of their period. At the conclusion, students will be familiar with a range of styles and their characteristics. They will undertake individual self-directed research and learn how to record and present the results of this research. Students will also acquire an appreciation of the ideals and aspirations that support the architectural styles examined, and how these are related to wider social and cultural movements. On successful completion of this unit, students will be able to demonstrate: a familiarity with a range of Australian buildings and styles. Site tours will examine specific buildings, and these will be recorded in a site visit log; the ability to research, record and present a specific building in Sydney; the ability to link a specific building to other works of a similar style and period. This will be assessed in the seminar presentation and in the submitted essay. This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per
week. Class preparation: 1 hour per week. Assessment preparation 26 hours per semester.

**DAAE2002 Architecture, Place and Society**

Credit points: 6  Session: Semester 1  Classes: 3 hours per week  Prohibitions: DESA2211  Assessment: two assignments: a) a 1500 word essay and b) a group or individual project requiring a research proposal, fieldwork, presentation, and reflection.  Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit aims to investigate the relationship between architecture, place and society and to explore the meaning of cultural and social sustainability in architectural design. The unit assumes that designers will increasingly work in places where cultures are unfamiliar at home or in a global context, and that an ability to understand, and interpret, diverse cultures, and the way design occurs in diverse locations, is an important area of knowledge for designers. A key aspect of social sustainability is the practice of social responsibility, and the unit explores how this may occur, including involving people in the design process. On completion of this unit students will be able to demonstrate: an ability to better understand the connections between architecture and society, and the social, cultural, political and economic factors affecting sustainable environments; skills and knowledge in participatory processes necessary for effective communication about environmental design issues; increased critical awareness about social responsibility in relation to the practice of architecture and the design of the built environment, and an ability to exercise this awareness. This unit will provide architecture students with knowledge of the relationship between culture and architecture, as well as practical knowledge of the social aspects of design practice. It is intended that students from other disciplines will develop a critical awareness of the built environment as a form of cultural production, and the possibilities for their participation in its production. This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

**DAAE2003 Social Studies in Architecture**

This unit of study is not available in 2007

Credit points: 6  Teacher/Coordinator: A/Prof Anna Rubbo  Prerequisites: DAAE 2002 or DESA 2211  Prohibitions: May not be counted with DESA 2212  Assessment: Attendance; seminar presentation; Investigation of building types, requiring research proposal, and fieldwork.  Mode of delivery: Normal (lecture/lab/tutorial) Day

<h6>Aims</h6>Through the study of selected building types and settings this unit aims to explore the ways in which cultural and social factors influence design. Such building types might be housing, educational, religious, institutional or community buildings, and will be studied through fieldwork as well as lectures and seminars. It is intended that building types will vary each year the unit is offered, and that as appropriate there may be opportunities to apply knowledge gained to design. Through developing a capacity for critical analysis, the unit also aims to provide students with a better understanding of factors to be considered in socially responsible design.

<h6>Objectives</h6>On successful completion of this unit students will be able to demonstrate: - an enhanced ability to understand and interpret social and cultural factors affecting design; - knowledge in making analyses of this type, including skills in post occupancy evaluation; - increased awareness of social responsibility in design.  

<h6>Generic attributes developed in this unit</h6>This unit will contribute to the development of research capacity, critical thinking, ethical, social and professional understanding, and communication skills that further learning.  

<h6>Assumed knowledge</h6>Participants are expected to have a sound understanding of the design process. Students are expected to have undertaken studies in the field of architecture in their first year of study. This unit will provide students with a comprehensive understanding of the design process and how it can be used in solving problems and consequently provides a model that participants may generalise to other areas of knowledge. This information falls into three main areas. The first relates to the basics of colour vision and includes the structure of the world of colour we experience, colour mixing, colour measurement and specification. The second area deals with relationships between areas of colour and focuses on colour contrast and colour preference and the relationship between contrast and preference. The third area is concerned with and limits on human information processing and how this will effect the response to the number of colours used in a colour design. (3) To demonstrate to participants how that information can be used to understand experiences associated with specific examples of environments and the particular physical attributes of the examples associated with the experiences. (4) To teach participants basic skills in using the image processing program Photoshop. (5) To have participants use those skills and their knowledge about colour experience in colour design exercises that form the basis for the assignments and the assessment in the unit. The unit creates a bridge between basic knowledge and how it can be used in solving problems and consequently provides a model that participants may generalise to other areas of knowledge and related problems. The nature of design problems also adds a further dimension to the learning experiences associated with the unit. Design problems are ill-defined problems, problems where the information needed to solve the problem is not given as part of the problem statement and there are many possible solutions and these types of problems do not generally form a part of a students experience at the university. The objectives of the assessment procedure are to have participants demonstrate their understanding of the knowledge presented in each of the areas of the unit and their ability to use that knowledge by: developing designs that achieve defined outcomes by embodying that knowledge in the design; by critically discussing how the designs embody the knowledge to achieve those outcomes; and  

**DAAE2004 Housing for Health**


Upon successful completion students will demonstrate: evidence of reading recommended texts and reporting on health-housing theory; completion of specific tasks in the measurement performance of household plumbing and electrical services and fittings against stated standards; completion of Healthabitat data sheets and logging into Healthabitat analysis programs to deliver work sheets for licensed plumbers and electricians; comprehension through report writing on the analyses of data, house fixing procedures and independent observations of other health risks, specifically for householders' information requiring regular maintenance and user practices. This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Intensive delivery mode: 12 hours. Fieldwork, reading and preparation: 26 hours. Task research, preparation and documentation.

**DAAE2005 Designing with Colour 1**

Credit points: 6  Teacher/Coordinator: Dr Terry Purcell  Session: Semester 1, Summer Main, Winter Main  Classes: Online delivery through WebCT  Prohibitions: DESA6210  Assumed knowledge: DESA6212 or DESA1004  Assessment: The assessment for the unit involves an assignment that is divided into three parts each related to the three areas of knowledge presented in the unit. The three parts carry equal weighting in terms of marks.  

<h6>Delivery</h6>On-line

The aims of the unit are: (1) To make participants aware that any design decision that involves a physical material involves a decision about colour, and the consequences of this fact. (2) To present participants with research based information about colour and associated topics that can be used in design. This information falls into three main areas. The first relates to the basics of colour vision and includes the structure of the world of colour we experience, colour mixing, colour measurement and specification. The second area deals with relationships between areas of colour and focuses on colour contrast and colour preference and the relationship between contrast and preference. The third area is concerned with and limits on human information processing and how this will effect the response to the number of colours used in a colour design. (3) To demonstrate to participants how that information can be used to understand experiences associated with specific examples of environments and the particular physical attributes of the examples associated with the experiences. (4) To teach participants basic skills in using the image processing program Photoshop. (5) To have participants use those skills and their knowledge about colour experience in colour design exercises that form the basis for the assignments and the assessment in the unit. The unit creates a bridge between basic knowledge and how it can be used in solving problems and consequently provides a model that participants may generalise to other areas of knowledge and related problems. The nature of design problems also adds a further dimension to the learning experiences associated with the unit. Design problems are ill-defined problems, problems where the information needed to solve the problem is not given as part of the problem statement and there are many possible solutions and these types of problems do not generally form a part of a students experience at the university. The objectives of the assessment procedure are to have participants demonstrate their understanding of the knowledge presented in each of the areas of the unit and their ability to use that knowledge by: developing designs that achieve defined outcomes by embodying that knowledge in the design; by critically discussing how the designs embody the knowledge to achieve those outcomes; and
by specifically linking those outcomes to the attributes of the colours that are used in the design. This unit is an elective in all programs. Student effort expected is approximately 6 hours per week for the semester.

**DAAE2006 Designing with Colour 2**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Terry Purcell  
**Session:** Semester 2, Summer Main, Winter Main  
**Classes:** Online through WebCT  
**Prerequisites:** DAAE2005 or DESA2610  
**Prohibitions:** DAAE2611  
**Assessment:** The assessment for the unit involves an assignment that is divided into three parts related to the three areas of knowledge presented in the unit each of which carries equal weighting in terms of marks. Mode of delivery: On-line

Participants are presented with the results of the extensive research into affective responses to colour. These affective experiences can be divided into three main areas. These are first the warmth or coolness of colours, second whether colours are exciting or calming, and third the potency of colours and colour harmony. The results of this research are related to the colour model developed by the Swedish Colour Institute to allow the use of the research results in the development of colour designs. As with the other units in this series participants are expected to understand this material and to know how it can be used to analyse the experiences associated with specific examples. This is facilitated by the detailed analysis of examples as a part of the unit content. The objectives of the assessment procedure are to have participants demonstrate their understanding of the knowledge presented in each of the areas of the unit and their ability to use that knowledge by: developing designs that achieve defined outcomes by embodying that knowledge in the design; by critically reflecting on design responses to colour; and by specifically linking those outcomes to the attributes of the colours that are used in the design. This unit is an elective in all programs. Student effort expected is approximately 6 hours per week for the semester, or 78 hours in total.

**DAAE2007 Introduction to Project Management**

**Credit points:** 6  
**Teacher/Coordinator:** Dr David Gunaratnam  
**Session:** Semester 2  
**Classes:** 3 hours per week  
**Prohibitions:** DESA2208, DESA2209  
**Assessment:** Examination, assignments, group presentation and an individual reflective learning report. Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit of study will introduce students to the underpinning knowledge and skills in all 9 areas of project management, viz. integration, communication, human resources management, scope, time and cost management, quality, risk and procurement management. It will differentiate project life cycles from facility life cycles. In this unit the application of project management principles to the achievement of different deliverables needed in all phases of the facility life cycle will be addressed. The unit will provide practical examples and opportunities to apply the fundamentals to a range of simple projects in architecture, design, building and construction fields. The major focus is to study how the project management fundamentals can be internalised and optimised for effective and efficient management of projects of different types in the built environment. Studies will review project management application to: urban planning, renewal and masterplanning; feasibility studies; planning and design; procurement process; construction process; handover process and transition to lifecycle management. On successful completion of this unit, students will be able to: demonstrate knowledge of project management fundamentals; apply the project management fundamentals to other project types and endeavours; use tools and techniques of project integration, communication, human resources management, scope, time and cost management, quality, risk and procurement management. Knowledge of project management fundamentals will be assessed through a mid-semester examination. Ability to apply project management fundamentals to other project types and endeavours would be assessed by assignments and a reflective learning report. Group project management fundamentals and their ability to lead and manage will be assessed through reflective learning assignments. Group presentation will be assessed as part of the communications knowledge area. This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

**DAAE2008 Innovative Building Structures**

**Credit points:** 6  
**Teacher/Coordinator:** D J Gunaratnam  
**Session:** Semester 2  
**Classes:** 3 hours per week  
**Prohibitions:** DESA(2101 or 2111)  
**Prohibitions:** DSES2206  
**Assessment:** Case Study & Modelling assignments. Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit engages students in detailed studies of innovative building structures, both the design and construction, and modelling techniques for structural synthesis. The unit initially investigates a number of innovative building structural designs and construction methods and processes, through case studies, and explores issues and factors that contribute to the innovative solutions. Modelling techniques are then introduced and their uses in the synthesis and analysis of innovative building structures are explored in-depth. Students are provided with experience in the computer and physical modelling of some of the advanced structures arising in the case studies. The unit is organised around three major topics as follows: (1) Innovative structural design: Discusses the differences between routine and innovative structural design, and identifies a set of dimensions along which the innovativeness of a structural design can be assessed. These dimensions form the basis for studying the developments in structural design to-date and for evaluating existing structural designs for their innovativeness. It also explores the different design requirements and decision criteria that lead to innovative structural solutions, in building designs, through a number of case studies. (2) Modelling techniques: Introduces and provides the bases for a number of computer modelling techniques for advanced structures that can be used to analyse and design innovative structures. Discusses some of their limitations and explores the current developments in computational models and techniques, specifically aimed at facilitating innovative designs. Some of the physical modelling techniques and their usefulness in the exploration of innovative structural solutions are also considered. (3) Innovative Construction: Explores construction requirements and decision criteria that lead to innovation in construction methods and processes, through selected case studies. Discusses the interactions between the innovations in structural design and in construction methods and processes. Students are expected to be able to demonstrate a high level of competence in investigating and presenting case studies on structural design and construction, to identify and evaluate issues and factors that contribute to innovative structural solutions in case studies, to determine the relevance of the various advanced structural modelling techniques for a given building design and to demonstrate a high level of competence in computer and physical modelling of structures. A case study assignment is used to assess the student's competence in investigating and presenting case studies and being able to identify and evaluate issues and factors contributing to innovative structural solutions. A two part modelling assignment is used to assess the competence in selecting suitable models for structural synthesis, for a given set of requirements and design criteria. This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

**DAAE3001 Sustainable Architectural Practice**

**Credit points:** 6  
**Teacher/Coordinator:** Bruce Forwood  
**Session:** Semester 1  
**Classes:** 3 hours per week  
**Prohibitions:** DSES2202, DSES2207, DESA2201  
**Assessment:** Group study, individual research paper. Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit of study begins by exploring the concept of ecologically sustainable design as it applies to architectural practice and defines those key attributes of buildings which make them sustainable. The second part of the unit discusses the implications of applying sustainable design principles upon contemporary architectural practice. Potential new design paradigms are explored which could lead to more sustainable design practice in the future. At the end of the unit
of study students will be expected to: have explored the form making and space making potential of sustainable design principles by critically examining relevant contemporary architecture; demonstrate their ability to locate relevant published literature on sustainable architecture and to critically examine and discuss it in relation to the themes explored in the unit of study; demonstrate their ability to critique key recent buildings claimed by their designers to be sustainable and to evaluate these claims against established sustainable design principles; enunciate a personal position on the impact on applying sustainable design principles on future design practice. On the successful completion of this unit of study students will have demonstrated: competence at critically evaluating buildings which their designers have claimed to be sustainable through a series of case studies performed in small groups; their ability to formulate and articulate a written response to a series of propositions developed in lectures addressing the impact of sustainability issues on future architectural practice. This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 2 hours per week.

DAAP3001
Contemporary Architecture and Theory
Credit points: 6
Teacher/Coordinator: Mr Trevor Howells
Session: Semester
1
Classes: 3 hours per week
Corequisites: DESA3001
Prohibitions: DESA2302
Assessment: Attendance; tutorial participation; submission on selected buildings and theory; Mode of delivery: Normal (lecture/lab/tutorial)
Day
The unit will introduce students to key buildings and theories of architecture from 1960 to the present. Examples will be drawn from International and Australian architecture. At the conclusion students will be familiar with the buildings presented and their architects, and have some understanding of the context in which they were produced. Students will also be expected to be familiar with the examples of theory presented, and to understand their relationship to contemporary architecture. On successful completion of this unit students will have demonstrated: familiarity with the examples presented, requiring attendance at lectures as per faculty policy; in depth understanding of selected buildings and theory, assessed through graphic, model and/or written analysis. This unit is a Bachelor of Architecture prerequisite in Bachelor of Design in Architecture. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

DAAP3002
Architectural Technologies
Credit points: 6
Teacher/Coordinator: Dr D Gunaratnam
Session: Semester
2
Classes: 4 hours per week
Corequisites: DESA3001
Prohibitions: DESA3002
Assessment: Assignments (one of which is integral with another assessment task in DESA3002) & examination
Mode of delivery: Normal (lecture/lab/tutorial)
Day
The unit of study develops knowledge about structural and environmental control technologies for medium scale non domestic buildings. The environmental module explores sustainable environmental control technologies suitable for medium scale buildings focussing upon the integration of these technologies with constructional and structural systems and the design of the building fabric as an environmental filter. Thermal controls such as heating systems, mechanical ventilation, natural ventilation and air conditioning are studied along with electric lighting and acoustic control systems. At the end of the unit students will be expected to formulate environmental control requirements for a medium scale building, generate and justify appropriate sustainable environmental control strategies and evaluate the performance of these strategies using appropriate analytical procedures. The structures module is organised around three major sections: Structural Design Process, Structural Design Codes and Structural Design Information. Under Structural Design Process, the formulation of structural design requirements arising from functional, behavioural and constructional constraints is initially discussed. Then a procedure for systematically generating feasible alternative structural systems is presented. Finally the process for the evaluation of the alternative structural systems based on a set of decision criteria, to arrive at the final optimum design, is discussed. Under structural design codes, the structural design philosophies which form the basis for structural design codes are initially described, and then the provisions in the material codes for the appropriate determination of design actions, and procedures for the design of typical structural elements are considered. The Structural Design Information section introduces a number of structural design aids for the selection of structural systems and for the approximate sizing of structural elements. At the end of the unit students should be able to collect appropriate information and formulate the structural design requirements for a medium-sized building, generate a number of alternative structural systems that satisfy these design requirements, evaluate them based upon a set of decision criteria and arrive at a full description of the final structural design. On the successful completion of this unit of study students will have demonstrated: (1) In the environmental module: competence in formulating and justifying appropriate sustainable environmental control strategies via a report based upon, and forming part of the submission for, the major design project in DESA 3002; competence in evaluating their chosen strategies utilising model studies, computation and other analytical and evaluative tools. (2) In the structural module: competence at enunciating and justifying their decision making process in an assignment based on the final design project (DESA3002); their knowledge in making a range of structural decisions for a new building design in an open book examination. This unit is a Bachelor of Architecture prerequisite in Bachelor of Design in Architecture. Contact hours: 4 hours per week. Class preparation: 1 hour per week. Assessment preparation: 1 hour per semester.

DECO1005
Hist & Theory of Multimedia & Animation
Credit points: 6
Teacher/Coordinator: Prof. John Gero
Session: Semester
2
Classes: 3 hours per week
Prohibitions: DECO2605
Assessment: Written reports, Oral presentations
Mode of delivery: Normal
Contact hours: 4 hours per week. Class preparation: 1.5 hours per week; assessment preparation: 1 hour per semester.

DECO1006
Understanding Design & Cognition
Credit points: 6
Teacher/Coordinator: Dr. Mike Rosenman
Session: Semester
1
Classes: 3 hours per week
Prohibitions: DECO1004
Assessment: 4 written assignments and a protocol analysis report
Mode of delivery: Normal
Contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.
will have demonstrated: an understanding of the importance and generality of design as an activity by having them reflect on the nature of design across the various disciplines and its relation to other activities such as Science and Art; an awareness of the knowledge and processes involved in design and to apply such knowledge and processes in their approach to design, as for example in the Design Studio. This awareness is reinforced by the assignments that are designed to make students think about design objects in a more analytical fashion as well as assessing their understanding of material presented; an understanding of how designers think and acquire a methodology to study designers. This is reinforced by assignments which require students to study designers and report on their observations; an understanding of the issues involved in design thinking research and gain a knowledge of methods for studying design thinking; an understanding of the need for critical examination and both objective and subjective analysis and judgement through the reports submitted. This unit is core in the Bachelor of Design Computing and elective in other programs. Student effort expected for an average student to achieve a pass level result: 3 hours per week contact hours; 1.5 hours per week class preparation; 19 hours per semester assessment preparation.

DECO1007
Design Data Mgmt & Product Modelling
Credit points: 6
Teacher/Coordinator: Dr Mike Rosenman
Session: Semester 1
Classes: three hours per week
Prohibitions: DECO2004, INFO2005
Assessment: Tutorial exercises and two Project submissions
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit aims to give the student an understanding of the basic concepts in modelling design objects and using database management systems to represent and manipulate design data. On the successful completion of this unit of study, students will: have demonstrated an understanding of the need for modelling of design information through the project report; have demonstrated an understanding of the concepts underlying the modelling, storage and use of design information including both graphical and non-graphical properties, using Entity-Relation diagrams, Relational Database Management Systems, Object-oriented Database Management Systems as assessed in the project report; exercise critical judgment, be capable of rigorous and independent thinking and use appropriate information technology techniques to communicate their knowledge through the production of appropriate and efficient information modelling techniques and database design. This will be achieved through assessments of projects where students will select appropriate problems in which they can develop to demonstrate their ability to produce their understanding of the knowledge and skills acquired; understand and acquire skills in standard product modelling techniques through the development of the project report; acquire skills in using a commercial PC based database system through tutorial exercises; acquire knowledge of language and standards such as SQL, XML, IFC through the tutorial exercises. Contribution of the unit to the program: Bachelor of Design Computing core, elective in other programs. Student effort expected for an average student to achieve a pass level result: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

DECO1008
3D Modelling
Credit points: 6
Teacher/Coordinator: Dr Kirsty Beilharz
Session: Semester 2
Classes: three hours per week
Prohibitions: DECO2103
Assessment: Tutorial exercises and two Project submissions
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: This unit is for BDesComputing and BST students only. Others may enrol in DECO2103.

This unit aims to give the student an understanding of the basic concepts of modelling and presentation so that they will develop skills in creating and using 3D models for various design tasks. On the successful completion of this unit of study, students will have: demonstrated an understanding of how physical objects are represented in 3D digital models by modelling various 3D geometric entities and processes required; demonstrated critical judgment, be capable of rigorous and independent thinking and use appropriate information technology techniques to communicate their knowledge through the production of efficient design presentations and documentation; an understanding of boundary representations, solid modelling, parametric models, texture mapping, light sources, camera locations and projections, and model constraints through model development and presentation; acquire skills in using a 3D modelling system for 2D and 3D objects and in creating photorealistic images, movies, VR scenes, and simple animations from 3D models that accurately describe design variations, intent, and structure. These skills will be assessed through the tutorial exercises and the submission of a portfolio of 3D models. This unit is core in the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: 3 hours per week contact hours; 1.5 hours per week class preparation; 19 hours per semester assessment preparation.

DECO1100
Digital Design Studio
Credit points: 12
Teacher/Coordinator: Dr Petra Gemeinboeck
Session: Semester 1
Classes: Lectures and studio. 12 hours per week.
Prohibitions: DECO1011
Assessment: Tutorial submissions, preliminary design reports, final design presentation and report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Core unit for Bachelor of Design Computing and BST students only.

In studying this unit, students will: develop an understanding of how to conceptualise and communicate design concepts through image, shape, lines, colour, composition, morphing, layout, and text; be introduced to digital image representation and technology through design projects; become proficient with the elements of digital design technology including digital images, vector graphics, font, montage, photography; develop skills in digital imaging software such as Photoshop, and graphical layout software such as Illustrator; and develop experience with significant digital design issues. On the successful completion of this unit of study, students will have demonstrated skills in sourcing, developing, and designing a range of digital media content through a series of tutorial exercises; knowledge of digital design through the incremental development of a series of design projects; knowledge of how to incorporate frame-based animation and morphing with their digital designs through tutorial exercises. This unit is a core studio in the Bachelor of Design Computing program. This unit is a foundation for knowledge of image design and digital media design techniques. Student effort expected for an average student to achieve a pass level result: Contact hours: 12 hours per week; Class preparation: 9 hours per week; Assessment preparation: 39 hours per semester.

DECO1200
Interaction Design Studio
Credit points: 12
Teacher/Coordinator: Dr Rob Saunders
Session: Semester 2
Classes: 12 hours per week
Prohibitions: DECO (1100 or 2101)
Assessment: Tutorial submissions, preliminary design reports, final design presentation and report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Available for BDesComputing and BST students only.

This unit introduces interactivity and multimedia through design projects. Students will develop narrative and storytelling through non-linear interactive multimedia. Elements of interaction design including menus, hotspots, screen design, motion, animation and sound integration will be addressed for various media, including the Internet, CD-ROMs, kiosks, interactive TV, broadcast media and DVD. Management and organisation of interaction through storyboarding and prototyping will cultivate methodologies for responding to a brief. Software used includes Director, Flash, Dreamweaver. On the successful completion of this unit of study, students will have demonstrated: the application of knowledge of interaction design to a range of contexts, for the Internet and standalone media, through the design project; knowledge of narrative and engagement in non-linear interactive contexts through the design project; knowledge of scripting and markup languages for enabling dynamic content and
interactive designs, e.g. Lingo, ActionScript, HTML, JavaScript through tutorial exercises; understanding of interaction developed using mouse, keyboard, computer and traditional interfaces leads to further HCI using innovative methods of interaction in the 3rd year Interface Design Studio. Contribution to program: this unit is core in the Bachelor of Design Computing program. This UsOo builds on knowledge of image design and foundational digital media design techniques introduced in the Digital Design Studio, integrating and applying this knowledge in the context of interactive multimedia, augmenting scripting and interaction design understanding. This unit develops interaction narrative, engagement, curiosity and design methods using the computer interface. This unit lays the groundwork for scripting interactivity using web-based and standalone technologies. It leads on to the subsequent Interface Design Studio which further pursues interaction, moving to mobile, wireless, haptic and spatial sense interfaces. Student effort expected for an average student to achieve a pass level result: contact hours: 12 hours per week; class preparation: 9 hours per week; assessment preparation: 39 hours per semester.

DECO2010 Collaborative Virtual Environments
Credit points: 6 Session: Semester 1 Classes: 3 hours per week Prerequisites: DECO (1100 and 1200) or (2101 and 2102) or INFO (1000 or 1003) Prohibitions: DECO2005 Assessment: Tutorial exercises, collaborative project, individual written reports, oral presentations. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing students will receive preference.

The aim of this unit is to impart to students an understanding of the similarities and differences of computer-mediated and face-to-face communication; skills in the use of collaborative tools such as email, shared whiteboards, bulletin boards, video conferences and shared modelling environments. On the successful completion of this unit of study, students will have demonstrated: an understanding of synchronous and asynchronous communication technologies through the collaborative project report; an understanding of communication and representation of design data in a computer mediated collaborative design project in the development of the collaborative project report; skills in using collaborative technologies in the tutorial exercises. This unit is core for Bachelor of Design Computing and elective for other programs. Student effort expected for an average student to achieve a pass level result: Contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

DECO2011 Design Programming
Credit points: 3 Teacher/Coordinator: Dr Rob Saunders Session: Semester 1; Classes: 3 hours per week Prohibitions: SOFT1001 Assessment: Individual assignment using an individual electronic sketchbook API; Group project using Java on a task in a design domain; Quizzes on (1) implementation of software in Java, and (2) Software design and development processes. Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit aims to teach students an understanding of the stages involved in the development of software for design computation; skills in the design and implementation of software for design tasks and in the team development of software. On the successful completion of this unit of study, students will have demonstrated: skills in using software tools to build interactive, visual design applications through individual and group programming assignments; knowledge of object-oriented programming concepts through individual and group programming assignments; implementation techniques such as editting, using. Contribution to program: this unit is core in the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: Contact hours: 3 hours per week; class preparation: 3 hours per week; Assessment preparation: 19 hours per semester.

DECO2012 Sound Design and Sonification
Credit points: 6 Teacher/Coordinator: Dr Dennis Cabrera Session: Semester 2; Classes: Lectures, tutorials and lab sessions, 3 hours per week. Prohibitions: DECO2007 Assessment: Tutorial exercises, design projects. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission required unless enrolled in the Bachelor of Design Computing or the BST. Other students may apply directly to the Faculty of Architecture for a place. Enrolment limited by teaching resources.

This unit introduces sound as a design medium, with an emphasis on computer-based implementations; real world acoustical phenomena and psychoacoustics provide an approach for sound design; understanding of conceptual topics, including sound/image interaction, text and speech, auditory display, source streaming and segregation, functions for music and spatial audio are developed; technical and technological issues, e.g. data formats and interfaces will be addressed; students will explore methodologies for abstract information sonification and responsive sonic representations for interactive installation spaces and sensitive environments; generative techniques, including evolutionary and genetic algorithms, Artificial Life and stochastic computational processes for creating new sound designs are investigated; this unit considers the contribution of sound design to ambient music, interactive responses and way finding cues in interactive virtual environments. On the successful completion of this unit of study, students will have demonstrated: knowledge of responsive interaction and sound design to a range of contexts through design projects; application of conceptual knowledge using current sensitive, interactive and virtual environment technologies through design projects; skills in computer-based implementation of sound design key principles through tutorial exercises; understanding of sound design, especially in relation to interactive contexts, links to virtual environment design, the digital design studio and sound utilised in interactive multimedia through design projects; understanding of the transformation of abstract data into sonification (shares a conceptual grounding with information visualization) through design projects. This is a core unit in the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

DECO2013 Generative Design Systems
Credit points: 6 Teacher/Coordinator: Prof John Gero Session: Semester 2; Classes: 3 hours per week. Prerequisites: DECO2011 or SOFT1001 Prohibitions: DECO2001, DECO2002, DECO2003 Assessment: 3 programming assignments and reports. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing students will receive preference.

The aim of the unit is to teach students an understanding of a range of algorithms that can automatically generate designs, such as genetic algorithms, simulated annealing, shape grammars, and swarm intelligence. On the successful completion of this unit of study, students will have demonstrated: knowledge of the use of an existing generative program to generate a family of designs and report on how the algorithm works through the programming assignment and report; knowledge of how to extend a selected program by using scripting to address specific design goals and forms through the programming assignment and report; skills in implementing a generative design system through the programming assignment and report. This unit is core in the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.
This unit aims to give the student an understanding of the basic concepts of modelling and presentation so that they will develop skills in creating and using 3D models for various design tasks. On the successful completion of this unit of study, students will have demonstrated: an understanding of how physical objects are represented in 3D digital models by modelling various 3D geometric entities and processes required; critical judgment, be capable of rigorous and independent thinking and use appropriate information technology techniques to communicate their knowledge through the production of efficient design presentations and documentation; an understanding of boundary representations, solid modelling, parametric models, texture mapping, light sources, camera locations and projections, and model constraints through model development and presentation; acquire skills in using a 3D modelling system for 2D and 3D objects and in creating photorealistic images, movies, VR scenes, and simple animations from 3D models that accurately describe design variations, intent, and structure. These skills will be assessed through the tutorial exercises and the submission of a portfolio of 3D models. This unit is part of the Digital Architecture stream in the Bachelor of Design in Architecture. Not available in the Bachelor of Design Computing. Elective in other programs. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

This unit will introduce knowledge and skills required for computer aided production and presentation of 1) 2D draughting and 3D modelling, for design and documentation and 2) visualisations of constructed object designs; develop computing skills in the use of object oriented 3D modelling tools to produce and display accurate models of domestic scale buildings and structures; introduce issues, principles and practice of model organisation, production and presentation, including design analysis, model structuring, documentation and economy of means. AutoCAD is considered an industry standard CAD application for many design professions, combining both traditional drawing and object oriented CAD functionalities. This unit of study introduces the use of AutoCAD tools for drawing, modelling and visualisation, structured by means of layers and blocks. At the completion of this unit competencies in the use of AutoCAD software will be sufficient for students to be able to produce computer generated: multilayered 2D design and construction drawings, complete with dimensions, notations and conventional drawing graphics; 3D wireframe, surface and solid models; 3D parallel and perspective representations with shaded, coloured or rendered surfaces; computer based presentations that enhance and extend design communications. This unit is part of the Digital Architecture stream in the Bachelor of Design in Architecture.

DECO2205 Principles of ArchiCAD
Credit points: 6 Teacher/Coordinator: Mr Paul Murty Session: Semester 1 Classes: Initiating lecture, with self directed on-line information transfer primarily via WebCT thereafter. Prohibitions: DESA1201, DESC9100, DESC9162 Assessment: CAD tutorial; Personal modelling project; and Oral test. Mode of delivery: On-line
Note: Permission required unless enrolled as an undergraduate in the Faculty of Architecture or the BST. Other students must apply directly to the Faculty of Architecture.

The aim of this unit is to introduce knowledge and skills required for computer aided production and presentation of 1) 2D draughting and
3D modelling, for design and documentation and 2) static and dynamic visualisations of constructed object designs; develop computing skills in the use of object oriented 3D modelling tools to produce and display accurate models of domestic scale buildings and structures; introduce issues, principles and practice of model organisation, production and presentation, including design analysis, model structuring, documentation and economy of means. ArchiCAD is an object-oriented CAD application developed especially for documenting and creating 3D visualisation of buildings. This unit of study introduces the use of object tools for modelling and displaying 3 dimensional building elements such as walls, slabs, columns, beams and roofs, structured by means of layers and stores. At the conclusion of this unit competencies in the use of ArchiCAD software will be sufficient for students to be able to produce computer generated: multilayered 2D design and construction drawings, complete with dimensions, notations and conventional drawing graphics; 3D parallel and perspective representations with shaded, coloured or rendered surfaces; static and dynamic presentations that enhance and extend design communications. This unit is part of the Digital Architecture stream in the Bachelor of Design in Architecture.

DECO2006
Real Time 3D Multimedia
Credit points: 6 Teacher/Coordinator: Dr Andrew Vande Moere Session: Semester 2 Classes: 1hr lecture and 2hrs tutorial/wk Prerequisites: DECO (1008 or 2103) and (SOFT1001 or DECO2011) Assessment: Sketches and participation 30%, research presentation 25%, final demo 45%. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing and BST students will receive preference.

This unit is based on the emerging ‘demoscene’ field to describe and explore the newest computer graphics methods in compelling visual designs. ‘Demo’ or ‘game intro’ design and implementation is a relatively unexplored interdisciplinary artistic field that is capable of exploiting the most novel 3D computer graphics simulation techniques to generate immersive experiences that provoke imagination and engagement. Using new authoring software, dynamic behaviours will be designed and implemented that surpass frame-based animations and instead incorporate unpredictable manipulations by rule-based principles. In this unit, students will develop a real-time 3D ‘demo’ animation, containing compelling graphics and music. All used effects are influenced by abstract data sources and emergent principles, in order to create an artistic data representation that present information on an experiential level. The resulting demos can be displayed in real-world physical environments, used as real-time changing screensavers or online 3D worlds. In addition, students will be asked to review and present recent academic research contributions in the fields of 3D real-time multimedia, computer graphics or computer vision. The objectives of the unit are to introduce the principles of real-time 3D multimedia production and authoring; introduce contemporary computer graphics applications, techniques and research directions, including the graphics pipeline, shading, texturing, rendering methods, computer vision, etc; introduce real-time 3D issues in the context of virtual reality technology, game development, human-computer interaction and 3D demo implementation; and introduce the optimised implementation of 3D effects, simulation and rule-based behaviour modelling.

DECO3003
Design Computing Research Opportunity
Credit points: 6 Teacher/Coordinator: Prof John Gero Session: Semester 2 Classes: Seminars, meetings. Prerequisites: 96 credit points and minimum WAM 65. Assumed knowledge: Computer programming. Assessment: Two progress reports each 15% and final report worth 70%. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Non Architecture students may apply directly to the Faculty of Architecture.

The aim of the Design Computing Research Opportunity is to allow a student to participate in each phase of research activity: developing a research plan in conjunction with the staff member; proposal writing; conducting research; analysing data; and presenting results in oral and written form. At the end of the unit the student will have experience in developing research proposals, conducting research and presenting their results. Design Computing Research Opportunity offers the opportunity for a Bachelor of Design Computing student to work with an academic staff member on research-based intellectual collaborations. The student works on an existing research activity of the staff member. It can be one of the most important means for students to develop an understanding of research as an intellectual endeavour and to foster mentoring research relationships with academic staff. The research proposal, which is the first progress report, will demonstrate the student’s ability to work within an existing research. The second progress report will identify the student’s capacity to work on a research project within an existing research program and becomes a demonstration of the research skills being developed. The final report will take the form of a research paper and is used to develop the student’s skills in presenting research results.

DECO3005
Advanced Interactive Multimedia Design
Credit points: 6 Teacher/Coordinator: Dr Kirsty Beilharz Session: Semester 1 Classes: Lectures and tutorials. Prerequisites: DECO (1003 or 1008 or 2102) Prohibitions: DESC9109, DESC9114 Assessment: Exercises and major design authoring project demonstrating understanding and implementation of interactive interface design principles. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. Bachelor of Design Computing and BST students will receive preference.

The objectives of the unit are to develop a comprehensive understanding of multimedia; to extend fundamentals learned in Interaction Design Studio (DECO1200) or Interactive Multimedia Design (DECO2102); to understand how humans interact with computers; to develop interface design that elicits engagement and interaction; and to develop an advanced knowledge of screen design principles and navigational methodologies. This unit aims to develop a comprehensive understanding of multimedia authoring, extending fundamentals learned in Interactive Multimedia Design and Web-based Design Information Systems. Students will investigate effective navigational and design strategies for engaging interactive multimedia interface design. Students will develop an understanding of 2D vector-based animation and navigational techniques applied to a project authored with Macromedia Flash. ActionScripting knowledge will be extended to develop the generative, interactive, and external data interfacing capabilities of the authoring environment. Final projects will demonstrate implementation and understanding of aesthetic design principles, design architecture, and effective, efficient interactive interface design. Innovative applications of interactive multimedia, for example generative and real-time design and interactive navigational systems, will extend the understanding of the interface design. Students will develop further understanding of HCI and develop strategies to apply this understanding to interactive design projects. Delivery, integration of media, controlling audio and video, and a grammatical and conceptual understanding of scripting in Flash will be treated as an extension of these interactive capabilities. At the conclusion of the unit students should have a well-developed understanding of human-computer interaction demonstrated through the structure and design of an interactive multimedia project; an understanding of efficient navigational and innovative interface design eliciting user interaction and demonstrated knowledge of responsive multimedia; an understanding of technical methods to link content and external data to the multimedia product.

DECO3006
Principles of 3D Animation
Credit points: 6 Teacher/Coordinator: Dr Kirsty Beilharz Session: Semester 1 Classes: Lectures and tutorials. Prerequisites: DECO (1003 or 1008 or 2103) Prohibitions: DESC9019, DESC9141 Assessment: Project work involving design and implementation demonstrating understanding of 3D modelling, motion, lighting, rendering and principles of animation in 3D. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Enrolment limited by teaching resources. If your attempt to enrol online is refused please apply directly to the Faculty of Architecture. First preference
given to third year students in the Bachelor of Design Computing or the Bachelor of Science & Technology.

The objectives of the unit are to introduce the computer animation process in 3D; to understand 3D modelling, texturing, rendering, and lighting; and to develop an understanding of motion, kinematics and basic animation. This elective forms an introduction to the 3D computer-based animation process from understanding 3D modelling, texturing, rendering and lighting to developing time-based sequences involving relative motion of objects, character animation, the skeleton, skinning, kinematics and polygons. Students will acquire basic animation skills, transfer traditional animation principles to computer graphics, and develop the skills to create an animated sequence in 3D. Basic knowledge will be related to foundational technical skills in AliasWavefront Maya and aims to serve as an introduction to further animation learning. At the conclusion of this unit a student should have acquired an understanding of animation in relation to 3D computer graphic software; understood the concepts and implementation of modelling principles involving light, texture and polygonal shapes; applied basic knowledge of animation to characters demonstrated in a significant project.

**DECO2007**
Designing Tangible Computing
Credit points: 6
Teacher/Coordinator: Dr Andy Dong
Session: Semester 2
Classes: 3 hours per week
Prerequisites: DECO (1200 or 2102) and (DECO2011 or SOFT1001)
Assessment: Formative assessments (60%) consisting of small tasks related to technologies required to complete design project; Summative assessment (40%) consisting of a prescribed final design project.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Places in this unit are limited by teaching resources. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for permission.

The aims of the unit are to operate hardware and software toolkits to design tangible devices; incorporating computational, network communication, and human-computer interfaces; to understand protocols including Bluetooth and RF for communication among networked devices; to understand the functionality of sensors as a means for computational devices to detect data about the environment; to integrate hardware and software for the design and implementation of embedded computing products for ubiquitous computing. On the successful completion of this unit of study, students will have demonstrated: the ability to develop software for real-time control of computer-driven devices to communicate with networked devices and to receive data from sensors through formative assessments; the ability to design a device capable of autonomously detecting context and reacting to the context through final design project; and the ability to describe methodologies for the design of tangible computing devices through a written report of the function, structure, and behaviour of the device. This is an elective unit. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

**DECO3008**
Design Computing Prep Hons Research
Credit points: 6
Session: Semester 1
Classes: Weekly Seminars
Prerequisites: 72 credit points and minimum WAM of 70
Prohibitions: DECO2004
Assessment: Research area summary report (40%), research proposal report (60%)
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

This unit aims to provide: an overview of the Faculty's research projects in design computing; an overview of research methods in design computing; instruction on how to write a preliminary research proposal for a project in design computing. This is a seminar unit of study in which the academic staff in design computing and cognition will present their research projects to the potential honours students. The students will also be taught how to prepare a preliminary research project proposal and be introduced to some of the research methods used in design computing. At the conclusion of the unit a preliminary research proposal will demonstrate the student's ability to identify a research area and a preliminary research plan.

**DECO3100**
Information Visualisation Design Studio
Credit points: 12
Teacher/Coordinator: Dr Andrew Vande Moere
Session: Semester 1
Classes: 12 hours per week
Prerequisites: DECO (1100 and 1200) or DECO (2101 and 2102) or DECO (2012 and 2013)
Prohibitions: DECO3001
Assessment: Tutorial exercises, design project reports, final design presentation and report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: BDesComp and BST students only.

The field of information visualization focuses on how non-physical data can be effectively represented to users, in an interactive and automatic way. This unit of study will introduce the principles of information visualization design, with special design development of visual metaphors and strategies of 3D information visualization. The studio context encapsulates the first two objectives. First, the unit will cover designing the evolution of design computing from one in which humans manipulate computing to create objects to one in which humans and computing devices co-create objects that can create humanistic experiences. The unit of study aims to graduate the students from the degree with the confidence to apply their design computing and digital media skills to a wide array of design problems that they may encounter in various industries. Upon completion of this unit of study, students will have demonstrated the capacity to investigate and integrate advanced design computing technologies into the design of objects with novel forms of human computer interaction. The unit of study also reinforces the students' experiences in designing through reflection-in-action of the design process. This unit of study has three objectives situated in two learning contexts: studio and classroom. The studio context encapsulates the first two objectives. First, the unit of study is operationally focused. The classroom context enables the students to design projects that create and manipulate computing products with an emphasis on the human element. On the successful completion of this unit of study, students will have demonstrated: (1) an understanding of user-centered design (UCD), and through this process, realised an operational prototype of an interactive computing product. The operational prototype is the primary vehicle of assessment. (2) Skills in advanced design computing technologies

**DECO3200**
Human-Computer Experience Des Stdo
Credit points: 12
Teacher/Coordinator: Dr Andy Dong
Session: Semester 2
Classes: Lectures and studio. 12 hours per week
Prerequisites: DECO3100 or DECO (2101 and 2102) or DECO2011 or SOFT1001
Prohibitions: DECO3002
Assessment: Comprehensive capstone design project; studio participation; fortnightly design tasks.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: BDesComp and BST students only.

New technologies in design computing have the potential to not only improve the quality of designs, but to change the way we design and the kind of design we create. Meanwhile the tethering of humanities to machines constructs an intimacy which pushes human-computer interaction (HCI) towards human-computer agency. What new capacity exists when people and machines are brought together in the embodiment of agency? This unit of study will cover designing innovative and novel forms of human computer interaction, and the design of HCI for objects that have information content, embedded computation, and intelligence. The students will explore through designing the evolution of design computing from one which humans manipulate computing to create objects to one in which humans and computing devices co-create objects that can create humanistic experiences. The unit of study aims to graduate the students from the degree with the confidence to apply their design computing and digital media skills to a wide array of design problems that they may encounter in various industries. Upon completion of this unit of study, students will have demonstrated the capacity to investigate and integrate advanced design computing technologies into the design of objects with novel forms of human computer interaction. The unit of study also reinforces the students' experiences in designing through reflection-in-action of the design process. This unit of study has three objectives situated in two learning contexts: studio and classroom. The studio context encapsulates the first two objectives. First, the unit of study is operationally focused. The classroom context enables the students to design projects that create and manipulate computing products with an emphasis on the human element. On the successful completion of this unit of study, students will have demonstrated: (1) an understanding of user-centered design (UCD), and through this process, realised an operational prototype of an interactive computing product. The operational prototype is the primary vehicle of assessment. (2) Skills in advanced design computing technologies
through the tutorial exercises. These skills will enable the students to complete the design project; the capacity of the students to utilise and extend these skills will be assessed by the embodiment of these skills in the final design. The unit incorporates all of the skills that the students have developed throughout their studies in design computing and digital media not only in the realization of the product for the project but also in the interim submissions. (3) An understanding of philosophical and technical perspectives on designing products with an emphasis on the human element will be assessed through studio critique and commentary, and written essays. This unit is core for the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: contact hours: 12 hours per week; class preparation: 9 hours per week; assessment preparation: 39 hours per semester.

DECO3441
Design Computing Independent Study A
Credit points: 6 Session: Semester 1, Semester 2 Classes: Weekly meetings by arrangement. Prerequisites: 48 credit points and WAM of at least 70. Assessment: Report. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Computing topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Computing. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

DECO3442
Design Computing Independent Study B
Credit points: 6 Session: Semester 1, Semester 2 Classes: Weekly meetings by arrangement. Prerequisites: 48 credit points and WAM of at least 70. Assessment: Report. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Computing topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Computing. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

DECO3443
Design Computing Independent Study C
Credit points: 6 Session: Semester 1, Semester 2 Classes: Weekly meetings by arrangement. Prerequisites: 48 credit points and WAM of at least 70. Assessment: Report. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Computing topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Computing. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

DECO3444
Design Computing Independent Study D
Credit points: 6 Session: Semester 1, Semester 2 Classes: Weekly meetings by arrangement. Prerequisites: 48 credit points and WAM of at least 70. Assessment: Report. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Computing topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Computing. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.
DECO3554
Design Computing General Elective D
Credit points: 8 Session: Semester 1, Semester 2 Prerequisites: 48 credit points Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Design Computing that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

DECO4001
Design Computing Honours Research A
Credit points: 12 Teacher/Coordinator: Prof. John Gero Session: Semester 1, Semester 2 Prerequisites: Completion of the Pass degree. Students in the Bachelor of Design Computing will require a WAM of at least 70. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Students in the Faculty of Science should apply for honours to their own faculty office.

Students must submit an honours application form. Entry into honours in the Bachelor of Design Computing requires you to have completed your pass degree with a weighted average mark of at least 70. The honours degree requires full time study over two semesters (DECO4001 and DECO4002 and then DECO4003 and DECO4004). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which DECO4004 Design Computing Honours Research D is taken.

DECO4002
Design Computing Honours Research B
Credit points: 12 Session: Semester 1, Semester 2 Prerequisites: DEC04001 Mode of delivery: Normal (lecture/lab/tutorial) Day

Students must submit an honours application form. Entry into honours in the Bachelor of Design Computing requires you to have completed your pass degree with a weighted average mark of at least 70. The honours degree requires full time study over two semesters (DECO4001 and DECO4002 and then DECO4003 and DECO4004). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which DECO4004 Design Computing Honours Research D is taken.

DECO4003
Design Computing Honours Research C
Credit points: 12 Session: Semester 1, Semester 2 Prerequisites: DEC04002 Mode of delivery: Normal (lecture/lab/tutorial) Day

Students must submit an honours application form. Entry into honours in the Bachelor of Design Computing requires you to have completed your pass degree with a weighted average mark of at least 70. The honours degree requires full time study over two semesters (DECO4001 and DECO4002 and then DECO4003 and DECO4004). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which DECO4004 Design Computing Honours Research D is taken.

DECO4004
Design Computing Honours Research D
Credit points: 12 Session: Semester 1, Semester 2 Corequisites: DEC04003 Mode of delivery: Normal (lecture/lab/tutorial) Day

Students must submit an honours application form. Entry into honours in the Bachelor of Design Computing requires you to have completed your pass degree with a weighted average mark of at least 70. The honours degree requires full time study over two semesters (DECO4001 and DECO4002 and then DECO4003 and DECO4004). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which DECO4004 Design Computing Honours Research D is taken.

DESA1001
Design Practice 1A
Credit points: 12 Teacher/Coordinator: Professor Tom Heneghan Session: Semester 1 Classes: Studio, lectures, seminars, field trips, workshops, laboratories. 12 hours per week Corequisites: DESA1101 Assumed knowledge: HSC Mathematics, HSC English Standard Assessment: This will be in the form of specific, short exercises and attendance, a design proposal presentation to a jury and a record of the design process undertaken. Mode of delivery: Normal (lecture/lab/tutorial) Day

Designing components of the built environment is a complex process in which all graduates of the Bachelor of Design in Architecture are required to be skilled at a pre-professional level. Design process are complex because a statement of what is to be designed always contains only part of the information needed to produce a design, and also does not specify the required physical form of the object to be designed. Designing therefore involves identifying the issues relevant to each specific design and its context or setting, and undertaking appropriate design processes which interpret, apply and integrate the relevant knowledge into a single design. This knowledge broadly concerns aspects of inhabiting, designing and constructing the built environment as it relates to the human, environmental, cultural, social and technological contexts, which influence the form of the built environment. The unit will study the built environment at the scale of towns and suburbs, focussing on the design of an individual element, such as a small building and its associated outdoor places. The unit will focus on developing your learning, and feedback forms of assessment will be used throughout the unit to inform you of your progress and help your learning. The value of peer and collaborative learning for feedback and development will also be introduced. Learning in this unit will be extended by study of wider aspects of the knowledge in the concurrent unit DESA11001 Design Studies 1A. The unit is also directly linked to the following July Semester unit DESA1002 Design Practice 1B. It will involve a sequential development of learning to apply knowledge and skills in designing at an introductory level. On the successful completion of this unit you will have demonstrated your ability to: (1) explore and apply at a basic level key aspects of knowledge about the built environment through specific design exercises, including: taking one set of knowledge about the building to a more detailed design development stage, the construction shown in a framing model; using at a basic level, direct precedents of similar buildings, that relate to specific knowledge issues, informing decision making in your design processes; using at a basic level simple methods for starting your design process, and carrying out basic iterative processes for testing, evaluating and developing your designs; gaining basic skills in aspects of knowledge and in basic drawing and modelling conventions demonstrated through mastery tasks; keeping a record of this material. (2) Reflect on your design processes through a daily journal, and through preparing from this and your recorded
DES1002
Design Practice 1B
Credit points: 12  
Teacher/Coordinator: Professor Tom Heneghan  
Session: Semester 2  
Classes: Studio, lectures, seminars, field trips, workshops, labs, 12 hours per week  
Proerequisites: DESA1001  
Corequisites: DESA1012  
Assumed knowledge: DESA1101  
Assessment: This will be in the form of specific, short exercises and attendance, with the main summative assessment tasks being a major design proposal presentation to a jury and a record of the design process undertaken.  
Mode of delivery: Normal (lecture/lab/tutorial) Day  

The aim of this unit is to build on and extend the skills and knowledge you gained in Design Practice 1A and provide you with more complex design problems in which to apply these. These design problems will require you to resolve a greater number of key design issues and to use new conceptual knowledge as well as that learnt previously. Through this unit of study you will explore and use more complex direct precedents used in urban design and architecture. You will study the built environment at the scale of a town. You will explore this context in depth, applying the understanding you gain to the process of designing a building and its outdoor places in an urban context. You will also be provided with more sophisticated techniques for design and precedent representations. Through engaging in and reflecting on the iterative learning situations provided in this unit of study and your own response to them, you will develop your ability in and understanding of architectural design and the process of designing. On the successful completion of this unit you will have demonstrated your ability to: (1) Analyse and interpret the physical, historical and cultural landscape context of architecture through completing a study and report on the development of a small town.  
(2) Explore and apply key aspects of knowledge about the built environment through designing a building, its interior and exterior spaces, and its streetscape to ‘sketch plan’ stage. Through this you will have demonstrated your ability to: take one set of knowledge about the building to a more detailed design development stage, in this case, the interior of one room; use direct precedents of urban contexts, and aspects of buildings with similar purpose, spatial organisation, material use, structure and environmental issues, to inform your decision making in your design processes; test, evaluate and develop your designs through an iterative design process; communicate your ideas and design representations through drawing and modelling conventions and verbally; keep a comprehensive record of your design process. (3) Reflect on your design processes through keeping a daily journal, and through preparing from this and your recorded material a Reflective Process Record, in which you describe and comment on these processes. (4) Evaluate other students design outcomes and evaluate your own design processes and design outcomes, identifying key ways to improve these, through your Design Review. This is a core unit of study for the Bachelor of Design in Architecture. It is central to the program, and it relates directly to the practice of the profession of Architecture and all its related forms. To achieve a good Pass level result the effort is 2 hours per credit point (12) per week of semester (13 weeks): contact hours: 12 hours per week = 156 hours per semester; class preparation: 8 hours per week = 104 hours per semester; assessment preparation: 52 hours per semester.  

DES1004
Designing with Surfaces and Light
Credit points: 6  
Teacher/Coordinator: Dr Terry Purcell  
Session: Semester 2  
Classes: Summer Main, Winter Main  
Prohibitions: DESA2612  
Assessment: Two assignments  
Mode of delivery: On-line  

An essential part of the way we experience the three dimensional world we live in results from the way in which light interacts with the surfaces. One way of thinking about architectural design is in terms of making decisions about the surfaces that make up both the external forms of buildings and define the spaces within the building and the way they will interact with light. However in making these decisions about these physical properties of the environment designers are also determining how people will experience these environments. The unit deals with the following: the basic properties of light and the way these properties effect the behaviour of light in a three dimensional environment and the experience of the environment; the basic visual process associated with dealing with change in light intensity within the environment and the seeing of detail; surface (micro) structure and the interaction of light and surface structure; the experience of texture and pattern; reflection of light off a surface and effects on perceived surface properties; selective absorption of light by a surface and perceived colour space and colour. In addition to knowledge about these aspects of the experience of surfaces and light, the way in which this knowledge can be used to understand our experience of the environment is illustrated by the detailed analysis of examples of both everyday and designed environments. Participants in the unit then demonstrate their understanding of the knowledge presented and the way that it can be used to understand our experience of the environment by finding and analysing their own environmental examples. It is the analysis of their own examples that forms the basis for the assessment in the unit. For students in the Faculty of Architecture this unit introduces them to knowledge about important aspects of the way we experience the built environment and how this knowledge may be used in the design of built environments. Participants in the unit from other faculties are also introduced to knowledge about our experience of the environment but in addition they obtain insights into the nature of design and how design embodies abstract knowledge in specific physical artefacts. On completing this unit of study successfully you will have demonstrated your ability to take the knowledge presented in each of the above areas and apply it in analysing specific environmental examples. In this way you will have demonstrated both their mastery of the knowledge in each area and your ability to use that knowledge. Contribution of unit to programs: elective.  

DES1005
Mathematics and Science in Architecture
Credit points: 6  
Teacher/Coordinator: Dr Simon Hayman  
Session: Semester 1  
Classes: 4 hours per week (lecture and tutorial)  
Prohibitions: DESA2606  
Assessment: Exercises and assignment.  
Mode of delivery: Normal (lecture/lab/tutorial) Day  

The unit provides an introduction to the role of mathematics and science in the history and practice of architecture. An understanding of both of these facets is required to see how they have played, and continue to play, important roles in quantitative and theoretical aspects of architecture. To this end, it aims to provide essential background mathematical and scientific knowledge and skills for further mandatory and elective units of study in architectural science, design practice and history and theory. On successful completion of the unit of study each student will have demonstrated awareness of the rational tradition in architecture through attendance and lectures and background readings; demonstrated acquisition of knowledge and skills in mathematics and science related to architecture, including problem analysis and rational argument, through successful completion of assessment tasks. This is an elective unit for the Bachelor of Design in Architecture. Mathematical, scientific knowledge and skills covered in this unit will provide foundations for assumed knowledge in other areas of further study such as structures, environmental sciences and practice. In addition it will assist in providing a broader view of the historical and theoretical context of architecture. Contact hours: 4 hours per week (lecture and tutorial); student effort expected for an average student to achieve a pass level result: class preparation: 0.5 hours per week; assessment preparation: 19 hours per semester.
Design Practice 1B. The material is presented in modules: (1) History & Theory: This module commences a survey history of the built environment. The aim of this module is to establish a basic comprehension of major historical developments as a basic component of architectural literacy, in particular historical precedents for design practice. (2) Environment & Sustainability: Introduces applications of ecological sustainability to design practice. Concepts of ‘passive’ design techniques related to building siting, form and planning are introduced with the aim of providing design knowledge especially for use in the corequisite unit, Design Practice 1B, and later. (3) Environment & Behaviour: The behavioural relationship between people and the environment is expanded to the domain of environmental cognition and interaction including cultural and social settings. The aim of this module is to provide knowledge about such settings which can be used to analyse design situations and applied in design outcomes. (4) Structures & Construction: This module expands upon the knowledge presented in Design Studies 1A. The repertoire of structural materials elements and systems, to provide a basis for selecting appropriate structural systems for design problems, is expanded. Constructural knowledge for small scale buildings, including systems, materials and methods, is introduced to facilitate the practical development of design solutions in practice. At the successful completion of this unit each student is expected to have demonstrated: an increased awareness of core issues in inhabiting, designing and constructing the built environment by attending and background reading; a comprehension of major architectural historical developments, including individual buildings, designers and intellectual context through exercises and examination; a basic understanding of key issues in sustainability in the built environment and their application through exercises including in the corequisite unit; an understanding of environmental cognition and interaction with everyday and designed environments through exercises and assignment; an understanding of more advanced principles of structural behaviour and materials through quizzes and examination; an ability to assemble structural materials, elements and types into a functioning structural system through exercises in the corequisite unit; an understanding of the common construction systems and materials of the major building elements for small scale buildings through exercises and assignment; an ability to apply constructional knowledge of small scale buildings through exercises in the corequisite unit. This unit is core for the Bachelor of Design in Architecture. The unit introduces additional foundation knowledge about the built environment which is required for a wide range of following units in particular those in Design Practice. Contact hours: 6 hours per week (lecture and tutorial). Student effort expected for an average student to achieve a pass level result: class preparation: 1 hour per week; assessment preparation: 26 hours per semester.
and physical quality of the built environment and the experience of those who use it, and support the intent and aims of your design. Your abilities in testing, evaluating and developing your design processes will also be developed, including both physical and digital modelling. Collaborative working within groups will continue to be emphasised as a key way to learn designing. Through engaging in, and reflecting on your design processes within the iterative learning situations provided in this unit of study, you will develop your ability to evaluate those design processes, and develop them to improve your design outcomes. On the successful completion of this unit you will have demonstrated an advanced skills in your ability to develop and apply knowledge in designing and therefore to: (1) Investigate a site to inform your design. (2) Explore architectural form in a landscape, using use architectural elements as an expressive language at a broad scale. (3) Develop the design of a part of the project to a detailed level and demonstrate the use of architectural elements as an expressive language this scale. (4) Demonstrate the technical solution to the design of this detailed section in required areas of environmental design, structure, construction, site planning, ergonomic planning. (5) Explore and apply key aspects of knowledge, demonstrating your ability to: use appropriate knowledge and strategies from precedents related to specific design issues; express an understanding of personal and interpersonal interaction, and planning strategies; devise appropriate environmental strategies supporting the design intent and the experience of environmental quality, issues, opportunities and impact of a building on its surroundings, including its streetscape; devise appropriate structural and constructional strategies and systems which support the design intent; use appropriate construction and structural systems in the design of a small-scale building; test, evaluate and develop your designs through an iterative design process; communicate your ideas and design representations through skilful manual and digital drawing and modelling, and verbally; keep a comprehensive record of your design process; (3) Reflect on your design processes through keeping a daily journal, and through preparing from this and your recorded material a Reflective Process Record, in which you describe and comment on these processes. (4) Evaluate other students design outcomes, comparing key issues to your own. (5) Evaluate your own design processes and design outcomes, identifying key ways to improve these, through your Design Review. This is a core unit of study for the Bachelor of Design in Architecture. It is central to the program, and it relates directly to the practice of the profession of Architecture and all its related forms. To achieve a good Pass level result the student effort required is 2 hours per credit point (12) per week of semester (13 weeks): contact hours: 12 hours per week = 156 hours per semester; class preparation: 6 hours per week = 78 hours per semester; assessment preparation: 78 hours per semester.

DES2111 Design Studies 2
Credit points: 6 Teacher/Coordinator: David Gunaratnam Session: Semester 1 Classes: 6 hours per week (lecture and tutorial) Prerequisites: DESA2001 Assumed knowledge: DESA1111 Assessment: Exercises, quizzes, assignments and examinations Mode of delivery: Normal (lecture/lab/tutorial) Day Design Studies 2 presents additional conceptual, precedent and procedural knowledge about inhabiting, designing and constructing the built environment to that presented in Design Studies 1A and 1B. It further extends previously presented knowledge in both depth and breadth. The material is presented in modules: (1) History & Theory: This module concludes a survey history of the built environment started in Design Studies 1B. The aim of this module is to establish a basic comprehension of major historical developments as a basic component of architectural literacy, in particular historical precedents for design practice. (2) Environment & Sustainability: Environmental evaluation, performance and design techniques and are expanded in this module, particularly in relationship to aspects "passive" design and the environmental response of the building envelope with the aim of providing detail design knowledge especially for use in design practice. (3) Structures: This module introduces a greater variety of structural element types available for assembling structural systems and subsystems in buildings to increase the informed range of choice available to students. To this end it introduces behavioural models, for understanding and predicting the behaviour of different structural assemblies. It also explores the relationship between structural form, action and efficiency, especially through the use of physical models, to develop a better understanding structural efficiency in design. (4) Construction: Constructional knowledge is explored through a study of the various systems used for ground, floor, wall, roof and opening construction, including their details, to provide students with
constructional literacy for design practice. At the successful completion of this unit each student is expected to have demonstrated: an increased awareness of core issues in inhabiting, designing and constructing the built environment by attendance and background reading; a comprehension of major architectural historical developments, including individual buildings, designers and intellectual context through exercises and examination; a basic understanding of principles in environmental performance, passive design and sustainability in the built environment through examination; an understanding of the application of issues in environmental performance, passive design and sustainability by exercises including in design practice; an understanding of more advanced principles of structural behaviour, assemblies and efficiency through quizzes and examination; an ability to assemble structural materials, elements and types into a detailed functioning structural system through exercises in design practice; a more advanced understanding of the common construction systems and materials of the major building elements through exercises and assignment; an ability to apply detailed constructional knowledge of small scale buildings through exercises in design practice. This unit is core in the Bachelor of Design in Architecture and 1102 and (2111 or 2101) 

DES3002 Design Practice 3B 

Credit points: 12 

Teacher/Coordinator: Kristine Sodersten 

Semester 2 

Classes: Studio, lectures, seminars, field trips, workshops, laboratories. 12 hours per week. 

Prerequisites: DESA2002 and DESA(1101 and 1102 and (2111 or 2101)) 

Corequisites: DAAP3001 or DESA2002 

Assessment: This will be in the form of specific, short exercises and attendance, with the main summative assessment tasks being a major design proposal presentation to a critique jury and the technical design development of this design. 

Mode of delivery: Normal (lecture/lab/tutorial) Day 

The aim of this unit of study, together with Design Practice 3A, is to develop your architectural design abilities in all areas, both pragmatic and poetic, and to a pre-professional level. Consistent with the aims of the course as a whole, you will be required to use and build on the understanding you have gained in all your previous core units of study. You will be engaged in architecture at the scale of the city in complex, medium scale design projects, resolved to a higher level of complexity and skill in Design Practice 3B than was the case in Design Practice 3A. There is an increasing emphasis placed upon working with consultants, and on collaborative working within groups. You will also be required to use a high level of interpretative skill to address complex levels of interacting design issues relating to site and context, program, form and composition, spatial issues, strategies for the impacts of design decisions upon internal and external environments, construction and materiality of your designs particularly standard systems of construction and their adaptation to particular circumstances and architectural structural strategies for buildings of this scale. To support this, you will be required to interpret precedent and case studies. Your highest skills in communicating your designs in verbal and in graphic and modelled form, both manual and digital, will be required to clearly demonstrate your understanding at the high level of pre-professionalism required in this unit. On the successful completion of this unit you will have demonstrated through the assessment tasks an advanced ability to discover, locate, develop and apply knowledge in designing, and you will have demonstrated: a highly developed ability to reflect upon, evaluate, understand and improve your own designing; a high level of ability in communicating and expressing your design intent, concepts and proposals; your ability at a high level of competence to interpret multiple levels of complex interacting design issues, problems and opportunities; your understanding, at a high level of competence, of required environmental, regulatory, construction, structural, contextual, formal, spatial, organisational, material, programmatic and programming issues, through embodying your knowledge in the proposal and detailed development of your building design; research and scholarship used to inform your design decisions at all levels, including the study of precedents; self-reliance, initiative and resourcefulness in finding information, references, precedents, case studies etc for the project, and self-direction in learning. This is a core unit of study for the Bachelor of Design in Architecture. To achieve a good Pass level result the effort expected is 2 hours per credit point (12) per week of semester (13 weeks); contact hours: 12 hours per week = 156 hours per semester; class preparation: 6 hours per week = 78 hours per semester; assessment preparation: 78 hours per semester.
DESA3441
Design Architecture Independent Study A
Credit points: 6
Session: Semester 1, Semester 2
Classes: Weekly meetings by arrangement.
Prerequisites: 48 credit points and WAM of at least 70.
Assessment: Report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.
This unit provides an opportunity to high achieving students to develop an interest in a specific Design Architecture topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

DESA3442
Design Architecture Independent Study B
Credit points: 6
Session: Semester 1, Semester 2
Classes: Weekly meetings by arrangement.
Prerequisites: 48 credit points and WAM of at least 70.
Assessment: Report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.
This unit provides an opportunity to high achieving students to develop an interest in a specific Design Architecture topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

DESA3443
Design Architecture Independent Study C
Credit points: 6
Session: Semester 1, Semester 2
Classes: Weekly meetings by arrangement.
Prerequisites: 48 credit points and WAM of at least 70.
Assessment: Report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.
This unit provides an opportunity to high achieving students to develop an interest in a specific Design Architecture topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

DESA3444
Design Architecture Independent Study D
Credit points: 6
Session: Semester 1, Semester 2
Classes: Weekly meetings by arrangement.
Prerequisites: 48 credit points and WAM of at least 70.
Assessment: Report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.
This unit provides an opportunity to high achieving students to develop an interest in a specific Design Architecture topic; to develop skills in independent study; and to develop advanced report writing skills. This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

DESA3551
Design Architecture General Elective A
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.
This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Design Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their speciality. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

DESA3552
Design Architecture General Elective B
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.
This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Design Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their speciality. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

DESA3553
Design Architecture General Elective C
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.
This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Design Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their speciality. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

DESA3554
Design Architecture General Elective D
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.
This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. This unit of study is available to a minimum of 10 students to engage in a topic related to Design Architecture that is organised by a member of
academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate). Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

DESP1001 Introductory Urban Design and Planning

Credit points: 6 Teacher/Coordinator: Mr Martin Payne Session: Semester 2 Classes: 2 hours per week Prohibitions: DESP1201 Assessment: Assessment is based on a workbook, which will present background studies, a strategic analysis and a reasoned proposal in response to a planning and design problem, besides a review of literature. The literature review will count for 40% of the total mark, and the background studies, strategic analysis and proposal will each count for 20%. Mode of delivery: Normal (lecture/lab/tutorial) Day

Students will develop knowledge of key planning ideas, and be able appreciate the context relevant to designing the built environment. They will be able to prepare strategic analyses of basic planning situations, and to prepare design proposals with supporting arguments. On successful completion of this unit, each student will be able to demonstrate their ability: to prepare short documents, using photos, maps, drawings and other illustrations, with annotated comments and supporting text, to present site analyses; to use basic ideas (such as: vistas, viewing and over-viewing, connectivity, legibility, enclosure, uses, activities, environs, links, built form, interest, amenity networks, nodes) in reviewing design situations and preparing simple site analyses; to apply a critical and reflective approach in understanding design situations, and in preparing informative reports. This is an elective unit, which introduces the Urban Design and Planning stream in the Bachelor of Design in Architecture. Elective in other programs. This is relevant to all architectural design students; it teaches students how to prepare planning studies and basic site plans as preparatory phases of designing buildings and places. Student effort expected: contact hours: 2 hours per week; class preparation: 2 hours per week; assessment preparation: 26 hours per semester.

DESP2001 Planning for the Built Environment

Credit points: 6 Teacher/Coordinator: Mr Martin Payne Session: Semester 1 Classes: 2 hours per week Prohibitions: DESP2201, DESP2203 Assessment: workbook presenting studies, reviewing materials, envisaging work to be done, demonstrating critical thinking, presenting proposals Mode of delivery: Normal (lecture/lab/tutorial) Day

Students will be able to: undertake background studies to inform designing for various elements of the public domain (streets and roads, open space and public places, car parking, pedestrian networks and centres); formulate and respond to complex planning problems; prepare and present simple proposals; use basic terms, concepts and methods in practical urban design and planning situations. On satisfactory completion of this unit each student will demonstrate capability: to prepare short documents, using photos, maps, drawings and other illustrations, with annotated comments and supporting text, to present planning studies and proposals; to use basic ideas (such as: vistas, viewing and over-viewing, connectivity, legibility, enclosure, uses, activities, environs, links, built form, interest, amenity networks, nodes) in reviewing design situations and preparing site analyses and proposals; to apply a critical and reflective approach in understanding planning and design situations, and in preparing informative documents which move from planning studies to proposals with supporting arguments; to be able to prepare proposals for built form outcomes and related planning instruments, with supporting studies and arguments. This unit part of the Urban Design and Planning Stream of the Bachelor of Design in Architecture and an elective in other programs. Student effort expected: contact hours: 2 hours per week; class preparation: 2 hours per week; assessment preparation: 30 hours per semester.

DESP2002 Planning for the Public Domain

Credit points: 6 Teacher/Coordinator: Mr Martin Payne Session: Semester 2 Classes: 2 hours per week Prohibitions: DESP2202, DESP2204 Assessment: workbook presenting studies, reviewing materials, envisaging work to be done, demonstrating critical thinking, presenting proposals Mode of delivery: Normal (lecture/lab/tutorial) Day

Students will be able to: undertake background studies to inform designing for various elements of the public domain (streets and roads, open space and public places, car parking, pedestrian networks and centres); formulate and respond to complex planning problems; prepare and present simple proposals; use basic terms, concepts and methods in practical urban design and planning situations. On satisfactory completion of this unit each student will demonstrate capability: to prepare short documents, using photos, maps, drawings and other illustrations, with annotated comments and supporting text, to present planning studies and proposals; to use basic ideas (such as: vistas, viewing and over-viewing, connectivity, legibility, enclosure, uses, activities, environs, links, built form, interest, amenity networks, nodes) in reviewing design situations and preparing site analyses and proposals; to apply a critical and reflective approach in understanding planning and design situations, and in preparing informative documents which move from planning studies to proposals with supporting arguments; to be able to prepare proposals for built form outcomes and related planning instruments, with supporting studies and arguments. This unit part of the Urban Design and Planning Stream of the Bachelor of Design in Architecture and an elective in other programs. Student effort expected: contact hours: 2 hours per week; class preparation: 2 hours per week; assessment preparation: 30 hours per semester.
12. Undergraduate degree regulations

This chapter contains the degree regulations governing undergraduate degrees in the Faculty of Architecture. All these resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant resolutions of the Senate. The Coursework Rule can be found in the General University section at the back of this handbook. The regulations in this chapter are arranged in the following order:

1. Bachelor of Design in Architecture – BDesArch
   The Bachelor of Design in Architecture includes the specially designated streams:
   • Bachelor of Design in Architecture (Allied Arts and Architecture) – BDesArch(AlliedArtsArch)
   • Bachelor of Design in Architecture (Digital Architecture) – BDesArch(DigitalArch)
   • Bachelor of Design in Architecture (Urban Design and Planning) – BDesArch(UrbanDes and Plan)

2. Bachelor of Design Computing – BDesComp

3. Bachelor of Architecture – BArch

[Section 1]

1. Units of study
   1.1 The units of study which may be taken for the degree are set out in Table A, the table of units of study for the Bachelor of Design in Architecture, together with:
      1.1.1 designation as junior, senior or honours units of study;
      1.1.2 credit point values;
      1.1.3 assumed knowledge, corequisites and prerequisites;
      1.1.4 the semesters in which they are offered;
      1.1.5 the units with which they are mutually exclusive; and
      1.1.6 designation as core, stream or elective.
   1.2 A candidate for the Bachelor of Design in Architecture shall complete the units of study prescribed by the faculty, satisfying all requirements with regard to all required units of study and streams.
   1.3 Except with the special permission of the Dean, the required units of study must be completed in the sequence prescribed.

2. Requirements for the pass degree
   2.1 To be eligible for award of the Bachelor of Design in Architecture a candidate must complete successfully units of study giving credit for a total of 144 credit points, including:
      2.1.1 90 credit points from core units of study;
      2.1.2 not less than 18 senior credit points from the units of study listed in Table A for the Architecture Electives;
      2.1.3 a maximum of two streams as described in resolution 3, to be completed within the 144 credit point table;
      2.1.4 no more than 18 credit points from Allied Arts in Architecture or Digital Architecture electives except for candidates enrolled in the those streams;
      2.1.5 no more than 18 credit points from units of study offered by faculties other than the Faculty of Architecture; and
      2.1.6 the balance to be taken from any other unit of study listed in Table A. Candidates who have completed 96 credit points with a weighted average mark of at least 70 may, with the permission of the unit coordinator concerned, enrol in elective units from Table G, the faculty’s table of graduate units of study.
   2.2 Candidates proceeding to the Bachelor of Architecture are required to complete the designated prerequisite units of study listed in Table A.

2.3 Units of study completed at the University of Sydney Summer School, which correspond to units allowable under resolution 2.1, may be credited towards the course requirements.

3. Specially designated streams
   3.1 The faculty will provide at least 15 places for entry in each stream per annum.
   3.2 If demand for places in a stream is larger than the number of available places, entry will be determined by the Associate Dean (Undergraduate Studies) in consultation with the stream coordinator based on a portfolio and an interview.
   3.3 Students may transfer between streams.
   3.4 The requirements for award of the designated streams in the Bachelor of Design in Architecture are:
      3.4.1 for the Allied Arts in Architecture stream, not less than 18 credit points from the units of study listed in Table A for the Allied Arts in Architecture stream.
      3.4.2 for the Digital Architecture stream, not less than 18 credit points from the units of study listed in Table A for the Digital Architecture stream.
      3.4.3 for the Urban Design and Planning stream, not less than 18 credit points from the units of study listed in Table A for the Urban Design and Planning stream.

4. Requirements for the honours degree
   4.1 To qualify to enrol in the honours program a student shall:
      4.1.1.1 have qualified for the award of the pass degree; or
      4.1.1.2 be a pass graduate of the Bachelor of Design in Architecture; or
      4.1.1.3 be a pass graduate in a degree from another faculty or recognised tertiary institution, deemed by the Dean to be equivalent to the Bachelor of Design in Architecture; and
      4.1.2 have a WAM (weighted average mark) of at least 70 for the pass degree. In exceptional cases the Dean may admit a student with a WAM of 65 or higher; and
      4.1.3 have an approved thesis topic and supervisor.
      4.1.3.1 The thesis topic must be satisfactory in terms of research interests, resources and availability of supervision within the faculty and must be agreed upon between the applicant and the supervisor.
      4.1.3.2 The supervisor shall be a member of the full-time or fractional academic or research staff of the faculty.
      4.1.3.3 The supervisor may also appoint an associate supervisor who may be a member of the academic or research staff of the university, an honorary associate or a person with appropriate qualifications in another institution or organisation.
   4.2 Except with the permission of the Dean, the student shall be of not more than four years standing for the pass degree.
   4.3 A student may not graduate with the pass degree while enrolled in the final year honours program except with the approval of the Dean.
   4.4 Students shall complete the requirements for the honours program full-time over two consecutive semesters.
   4.5 To qualify for the award of the honours degree, pass degree students shall complete 48 credit points of honours units of study listed in Table A.
   4.6 Students who fail or discontinue the honours program may not re-enrol in it, except with the approval of the Dean.
   4.7 A student undertaking a thesis shall:
      4.7.1 lodge with the faculty two copies of the thesis embodying the results of an original research investigation carried out by the student;
      4.7.2 state in the thesis, generally in the preface and specifically in the notes, the sources on which the research was based, the extent to which the student has made use of the work of others and the portion of the thesis which is claimed to be original; and
      4.7.3 not lodge as the student’s own work any work previously submitted for a degree of the University of Sydney or any
other university, but may incorporate such work in the thesis provided that the student indicates the work so incorporated.

4.8 A student may lodge the thesis for examination bound in either a temporary or permanent form according to the following conditions:

4.8.1 temporary binding must be able to withstand ordinary handling and postage. The preferred form of binding is the “perfect binding” system; and

4.8.2 the cover of a temporarily bound thesis must have a label showing the student’s name, name of the degree, title of the thesis and the year of submission.

4.9 A student must lodge the final thesis in a permanent form according to the following conditions:

4.9.1 permanent binding must meet the requirements given in the University Calendar under the resolutions governing the degree of Doctor of Philosophy; and

4.9.2 following examination and emendation if necessary, at least one copy (the library copy) of the thesis must be bound in a permanent form;

4.9.3 if emendations are required, all copies of the thesis which are to remain available within the university must be amended.

4.10 In assessing a candidate’s performance for honours the Dean shall appoint two examiners. The examiners shall report to the Dean.

4.11 The Dean shall, on the recommendation of the Board of Undergraduate Studies, award the degree of Bachelor of Design in Architecture with honours whenever the following sections 4.11.1 or 4.11.2 are satisfied together with the following section 4.11.3:

4.11.1 the examiners have recommended the degree be awarded without reservation or subject to emendations to all copies of the thesis which are to remain available in the university;

4.11.2 the Board of Undergraduate Studies unanimously accepts the recommendation of the supervisor that the degree be awarded subject to emendations despite reservations expressed by any examiner; and

4.11.3 the overall performance in accordance with resolution 4.12 below is 70 or greater.

4.12 The Dean, on the recommendation of the Board of Undergraduate Studies, will determine the class of honours, if any, on the overall performance of the candidate in the Bachelor of Design in Architecture using a mark derived from weighting the mark for the honours thesis at 70 per cent and the weighted average mark of the pass degree at 30 per cent.

4.13 The Dean may recommend that an unsuccessful candidate be permitted to prepare for re-examination if of sufficient merit and the supervisor has so recommended.

5. Award of the degree

5.1 The pass degree of Bachelor of Design in Architecture shall be awarded to a student who has completed the requirements specified in resolution 2.1.

5.2 The honours degree of Bachelor of Design in Architecture shall be awarded to eligible students, with the following grades:

5.2.1 Honours Class I (with a mark of at least 80); or

5.2.2 Honours Class II, Division 1 (with a mark of at least 75); or

5.2.3 Honours Class II, Division 2 (with a mark of at least 70).

5.4 Honours students with an outstanding academic record throughout the degree and who have achieved Honours Class I may be eligible for the award of a university medal, in accordance with Academic Board policy and on nomination by the Dean with the recommendation of the Board of Undergraduate Studies.

5.5 A student for the honours program who does not meet the requirements for award of honours shall be awarded the Bachelor of Design in Architecture pass degree in their designated stream.

5.6 The testumar for the Bachelor of Design in Architecture shall specify any stream completed in order to qualify for the award, as well as the class of honours achieved and the medal, if awarded.

[Section 2]

6. Agency

6.1 In these resolutions the Dean gives agency to the Board of Undergraduate Studies and the Associate Dean (Undergraduate Studies) for determination of the following matters, on the recommendation of the program coordinator where appropriate:

6.1.1 examination procedures and appointment of examiners;

6.1.2 supervision of candidate;

6.1.3 variations of candidacy;

6.1.4 extension of candidacy;

6.1.5 completion of candidacy away from the university; and

6.1.6 any other matters as appropriate within these resolutions.

7. Enrolment restrictions

7.1 Except with the express permission of the Dean a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

7.2 Except with the express permission of the Dean a student must maintain full-time enrolment.

8. Repeating a unit of study

8.1 Unless granted exemption by the Dean for previous satisfactory completion of components of a unit of study, a student who repeats that unit of study shall:

8.1.1 participate in the learning experiences provided for the unit of study; and

8.1.2 meet all examination, assessment and attendance requirements for the unit of study.

8.2 A student who has passed a unit of study may not repeat that unit of study if it counted towards fulfilling the requirements of the degree.

9. Cross institutional enrolment

9.1 Provided that permission has been obtained in advance, the Dean may permit a student to complete a unit of study at another institution and have that unit credited to his/her course requirements, provided that:

9.1.1 the unit of study content is not taught in any corresponding unit of study in the university; or

9.1.2 the student is unable for good reason to attend a corresponding unit of study at the university.

10. Discontinuation of enrolment

10.1 Except with the approval of the Dean, in exceptional circumstances, a student who withdraws from or discontinues candidature for the degree without having successfully completed any units of study shall be required to reapply for admission to the degree.

11. Suspension of candidature

11.1 A student who has successfully completed units of study may, with the permission of the Dean, suspend candidature for up to two semesters. At the end of that time the candidate may reapply to extend the suspension for a maximum of another two semesters. After that time candidature will be deemed to have lapsed and the student shall be required to reapply for admission to the degree.

11.2 The candidature of a student who has not obtained permission to suspend will be deemed to have lapsed and the student must apply for readmission in accordance with procedures determined by the Dean.

12. Re-enrolment after an absence

12.1 Except where the Dean determines otherwise, a student who re-enrols after an absence or a suspension of candidature for any period shall proceed under the by-laws and resolutions in force at the time of re-enrolment.

13. Satisfactory progress

13.1 The Dean may require a student to show good cause as to why he or she should not be excluded from the degree if he or she does not make satisfactory progress. A student who has failed a required unit of study more than once shall normally be presumed not to have made satisfactory progress.

13.2 The Dean will permit a student who has shown good cause to re-enrol.

14. Assessment

14.1 A student’s work may be assessed by written and oral examinations, assignments, exercises and practical work or any combination of these.

14.2 In the first year of the Bachelor of Design in Architecture all core units of study will be graded on a pass/fail basis. A pass will be recorded as “P”, indicating that the student has fulfilled the requirements of the unit of study.

14.3 A student who has been prevented by duly documented illness or misadventure from completing a unit of study may be allowed to complete that unit of study or supplementary work as the Dean shall determine.

14.4 When a student is permitted to submit additional work other than on the grounds of illness or misadventure, and the temporary grade INC has been given, the maximum result that may be awarded is 50 Pass.
14.5.1 A student's weighted average mark (WAM) shall be calculated using the formula:

\[
WAM = \frac{\text{sum}(M \times CPa \times CPw)}{\text{sum}(CPa \times CPw)}
\]

where \(M\) is the mark achieved, \(CPa\) is the credit points attempted and \(CPw\) is the credit point weighting of any given unit of study. The weighting is determined by the faculty administering the unit.

14.5.2 In the Faculty of Architecture, a weighting of 1 is given to junior units and 3 for senior and graduate units.

15. **Attendance requirements**

15.1 A student who is absent without leave may be deemed not to have completed a particular unit of study or course.

15.2 A student who fails to meet the attendance requirements of a unit of study will be deemed not to have completed that unit of study.

16. **Credit transfer policy**

16.1 Credit may be granted for previous credit-studied learning, at the discretion of the Dean.

16.2 Credit will not be granted for units of study completed more than nine years prior to application, except with the permission of the Dean.

16.3 Credit shall not be granted for units of study gained with a "Concessional Pass" or equivalent.

16.4 Credit shall not be granted for graduate units of study.

16.5 Credit may be granted as specific credit if the unit of study is considered to be directly equivalent to a unit of study in the table of units of study for the degree, or as non specific credit.

16.6 The total amount of credit may not be greater than 96 credit points including a maximum of 18 credit points of unspecified credit.

16.7 A student may apply to have credit granted on the basis of non-credited previous learning or experience that is equivalent to a unit of study in the table of units of study for the degree. The Dean will determine the method of demonstrating the achievement of the equivalent academic standard.

16.8 All students, notwithstanding any credit transfer, must complete DESA3001 and DESA3002 and not less than 12 additional senior credit points of units of study from Table A.

17. **Transitional provisions**

17.1 These resolutions shall apply to:

17.1.1 persons who commence their candidature after 1 January 2007; and

17.1.2 persons who commenced their candidature prior to 1 January 2007 and who elect to proceed under these resolutions.

17.2 A candidate for the degree who commenced candidature prior to 1 January 2007 may complete the requirements in accordance with the resolutions in force at the time that the candidate commenced, provided that the candidate shall complete the requirements by 1 January 2011 or such later date as the faculty may, in special circumstances, approve.

**Bachelor of Design Computing**

[Section 1]

1. **Units of study**

1.1 The units of study which may be taken for the degree are set out in Table B, the table of the units of study for the Bachelor of Design Computing, together with:

1.1.1 designation as junior, senior or honours units of study; and

1.1.2 credit point values;

1.1.3 assumed knowledge, corequisites and prerequisites;

1.1.4 the semesters in which they are offered;

1.1.5 the units with which they are mutually exclusive; and

1.1.6 designation as core or elective.

1.2 A candidate for the Bachelor of Design Computing shall complete the units of study prescribed by the Faculty satisfying all requirements with regard to core units of study.

1.3 Except with the special permission of the Faculty, the core units of study must be completed in the sequence prescribed.

2. **Requirements for the pass degree**

2.1 To be eligible for award of the Bachelor of Design Computing a candidate must complete successfully units of study giving credit for a total of 144 credit points, including:

2.1.1 96 credit points from the core units of study;

2.1.2 at least 24 credit points of elective units from Table B;

2.1.3 at least 72 senior credit points; and

2.1.4 candidates who have completed 96 credit points with a weighted average mark of at least 70 may, with the permission of the unit coordinator concerned, enrol in elective units from Table G, the faculty's table of graduate units of study.

2.2 Units of study completed at the University of Sydney Summer School, which correspond to units allowable under resolution 1.1, may be credited towards the course requirements.

3. **Requirements for the honours degree**

3.1 To qualify to enrol in the honours program a student shall:

3.1.1 have qualified for the award of the pass degree; or

3.1.2 be a pass graduate of the Bachelor of Design Computing;

3.1.3 be a pass graduate in a degree from another faculty or recognized tertiary institution, deemed by the Dean to be equivalent to the Bachelor of Design Computing; and

3.1.4 have a WAM (or equivalent average mark) of at least 70 for the pass degree. In exceptional cases the Dean may admit a student with a WAM of 65 or higher; and

3.1.5 have an approved thesis topic and supervisor. The thesis topic must be satisfactory in terms of research interests, resources and availability of supervision within the faculty and must be agreed upon between the applicant and the supervisor. The supervisor shall be a member of the full-time or fractional academic or research staff of the faculty. The supervisor may also appoint an associate supervisor who may be a member of the academic or research staff of the university, an honorary associate or a person with appropriate qualifications in another institution or organisation.

3.2 Except with the permission of the Dean, the student shall be of not more than 4 years' standing or the semester equivalent for the pass degree.

3.3 A student may not graduate with the pass degree while enrolled in the final year honours program.

3.4 Students shall complete the requirements for the honours program full-time over two consecutive semesters except with the approval of the Dean.

3.5 To qualify for the award of the honours degree, pass degree students shall complete 48 credit points of honours units of study listed in Table B.

3.6 Students who fail to complete the honours program may not re-enrol in it, except with the approval of the Dean.

3.7 A student undertaking a thesis shall:

3.7.1 lodge with the Faculty two copies of the thesis embodying the results of an original research investigation carried out by the student; and

3.7.2 state in the thesis, generally in the preface and specifically in the notes, the sources on which the research was based, the context to which the student has made use of the work of others and the portion of the thesis which is claimed to be original; and

3.7.3 not lodge as the student's own work any work previously submitted for a degree of the University of Sydney or any other university, but may incorporate such work in the thesis provided that the student indicates the work so incorporated.

3.8 A student may lodge the thesis for examination bound in either a temporary or permanent form according to the following conditions:

3.8.1 temporary binding must be able to withstand ordinary handling and postage. The preferred form of binding is the "perfect binding" system; and

3.8.2 the cover of a temporarily bound thesis must have a label showing the student's name, name of the degree, title of the thesis and the year of submission.

3.9 A student must lodge the final thesis in a permanent form according to the following conditions:

3.9.1 permanent binding must meet the requirements given in the University Calendar under the resolutions governing the degree of Doctor of Philosophy;

3.9.2 following examination and emendation if necessary, at least one copy (the library copy) of the thesis must be bound in a permanent form; and

3.9.3 if emendations are required, all copies of the thesis must be amended.

3.10 In assessing a candidate's performance for honours the Dean shall appoint two examiners. The examiners shall report to the Dean.
3.11 The Dean shall, on the recommendation of the Board of Undergraduate Studies, award the degree of Bachelor of Design Computing to a student who has completed the requirements for the degree specified in resolution 2.1.

3.11.1 the examiners have recommended the degree be awarded without reservation or subject to emendations to all copies of the thesis which are to remain available in the University; or

3.11.2 the Board of Undergraduate Studies unanimously accepts the recommendation of the supervisor that the degree be awarded subject to emendations despite reservations expressed by any examiner; and

3.11.3 the overall performance in accordance with resolution 3.12 below is 70 or greater.

3.12 The Dean, on the recommendation of the Board of Undergraduate Studies, will determine the class of honours, if any, on the overall performance of the candidate in the Bachelor of Design Computing using a mark derived from weighting the mark for the honours thesis at 70 per cent and the Weighted Average Mark for all the units of study of the pass degree at 30 per cent.

3.13 The Dean may recommend that an unsuccessful candidate be permitted to prepare for re-examination if of sufficient merit and the supervisor has so recommended.

4. Award of the degree

4.1 The Bachelor of Design Computing pass degree shall be awarded to a student who has completed the requirements for the degree specified in resolution 2.1.

4.2 The Bachelor of Design Computing with honours shall be awarded with the following grades:

4.2.1 Honours Class I (with a mark of at least 80);

4.2.2 Honours Class II, Division 1 (with a mark of at least 75); or

4.2.3 Honours Class II, Division 2 (with a mark of at least 70).

4.3 A student for the honours program who does not meet the requirements for award of honours shall be awarded the Bachelor of Design Computing pass degree.

4.4 Honours students with an outstanding academic record throughout the degree and who have achieved Honours Class I may be eligible for the award of a university medal, in accordance with Academic Board policy and on nomination by the Dean, with the recommendation of the Board of Undergraduate Studies.

[Section 2]

5. Agency

5.1 In these resolutions the Dean gives agency to the Board of Undergraduate Studies and the Associate Dean (Undergraduate Studies) for determination of the following matters, on the recommendation of the program coordinator where appropriate:

5.1.1 examination procedures and appointment of examiners;

5.1.2 supervision of candidature;

5.1.3 variations of candidature;

5.1.4 extension of candidature;

5.1.5 completion of candidature away from the University; and

5.1.6 any other matters as appropriate within these resolutions.

6. Enrolment restrictions

6.1 Except with the express permission of the Dean a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

6.2 Except with the permission of the Dean a student must maintain a full-time enrolment.

7. Repeating a unit of study

7.1 Unless granted exemption by the Dean for previous satisfactory completion of components of a unit of study, a student who repeats that unit of study shall:

7.1.1 participate in the learning experiences provided for the unit of study; and

7.1.2 meet all examination, assessment and attendance requirements for the unit of study.

7.2 A student who has passed a unit of study may not repeat that unit of study and have it counted towards fulfilling the requirements of the degree.

8. Cross institutional enrolment

8.1 Provided that permission has been obtained in advance, the Dean may permit a student to complete a unit of study at another institution and have that unit credited to his/her course requirements, provided that:

8.1.1 the unit of study content is not taught in any corresponding unit of study in the University; or

8.1.2 the student is unable for good reason to attend a corresponding unit of study at the University.

8.2 The student shall, on the recommendation of the Board of Undergraduate Studies, award the degree of Bachelor of Design Computing to that student whenever the following sections 3.11.1 or 3.11.2 are satisfied together with the following section 3.11.3:

8.2.1 the Board of Undergraduate Studies unanimously accepts the recommendation of the supervisor that the degree be awarded subject to emendations despite reservations expressed by any examiner; and

8.2.2 the overall performance in accordance with resolution 3.12 below is 70 or greater.

8.3 The Dean, on the recommendation of the Board of Undergraduate Studies, will determine the class of honours, if any, on the overall performance of the candidate in the Bachelor of Design Computing using a mark derived from weighting the mark for the honours thesis at 70 per cent and the Weighted Average Mark for all the units of study of the pass degree at 30 per cent.

8.4 The Dean may recommend that an unsuccessful candidate be permitted to prepare for re-examination if of sufficient merit and the supervisor has so recommended.

8.5 The Bachelor of Design Computing pass degree shall be awarded to a student who has completed the requirements for the degree specified in resolution 2.1.

8.6 The Bachelor of Design Computing with honours shall be awarded with the following grades:

8.6.1 Honours Class I (with a mark of at least 80);

8.6.2 Honours Class II, Division 1 (with a mark of at least 75); or

8.6.3 Honours Class II, Division 2 (with a mark of at least 70).

8.7 A student for the honours program who does not meet the requirements for award of honours shall be awarded the Bachelor of Design Computing pass degree.

8.8 Honours students with an outstanding academic record throughout the degree and who have achieved Honours Class I may be eligible for the award of a university medal, in accordance with Academic Board policy and on nomination by the Dean, with the recommendation of the Board of Undergraduate Studies.

12. Undergraduate degree regulations

12. Undergraduate degree regulations

12.1 Except with the approval of the Dean, in exceptional circumstances, a student who withdraws from or discontinues candidature for the degree without having successfully completed any units of study shall be required to reapply for admission to the degree.

12.2 The student shall, on the recommendation of the Board of Undergraduate Studies, award the degree of Bachelor of Design Computing to that student whenever the following sections 3.11.1 or 3.11.2 are satisfied together with the following section 3.11.3:

12.2.1 the Board of Undergraduate Studies unanimously accepts the recommendation of the supervisor that the degree be awarded subject to emendations despite reservations expressed by any examiner; and

12.2.2 the overall performance in accordance with resolution 3.12 below is 70 or greater.

12.3 The Dean, on the recommendation of the Board of Undergraduate Studies, will determine the class of honours, if any, on the overall performance of the candidate in the Bachelor of Design Computing using a mark derived from weighting the mark for the honours thesis at 70 per cent and the Weighted Average Mark for all the units of study of the pass degree at 30 per cent.

12.4 The Dean may recommend that an unsuccessful candidate be permitted to prepare for re-examination if of sufficient merit and the supervisor has so recommended.

12.5 The Bachelor of Design Computing pass degree shall be awarded to a student who has completed the requirements for the degree specified in resolution 2.1.

12.6 The Bachelor of Design Computing with honours shall be awarded with the following grades:

12.6.1 Honours Class I (with a mark of at least 80);

12.6.2 Honours Class II, Division 1 (with a mark of at least 75); or

12.6.3 Honours Class II, Division 2 (with a mark of at least 70).

12.7 A student for the honours program who does not meet the requirements for award of honours shall be awarded the Bachelor of Design Computing pass degree.

12.8 Honours students with an outstanding academic record throughout the degree and who have achieved Honours Class I may be eligible for the award of a university medal, in accordance with Academic Board policy and on nomination by the Dean, with the recommendation of the Board of Undergraduate Studies.
Bachelor of Architecture

[Section 1]

1. Admission

1.1 An applicant for admission to candidature for the degree of Bachelor of Architecture shall have:

1.1.1 completed all the requirements for the degree of Bachelor of Science (Architecture) or Bachelor of Design in Architecture at the University of Sydney with a Weighted Average Mark in the degree of at least 50, or such other degree of the University of Sydney as the Faculty of Architecture may approve, or possess such equivalent standing as may be approved by the Dean;

1.1.2 completed the units of study shown as prerequisites for the Bachelor of Architecture in the table of units of study for the Bachelor of Science (Architecture) or Bachelor of Design in Architecture degree, if proceeding to candidature from the Bachelor of Science (Architecture) or Bachelor of Design in Architecture, provided that in special circumstances a candidate may be exempted from these requirements with the approval of the Dean; and

1.1.3 satisfied the Architectural Experience Requirement or equivalent, as may be approved by the Dean.

1.2 Pursuant to 1.1.3 above, an applicant for admission to the Bachelor of Architecture may satisfy the Architectural Experience Requirement by completing either the requirements for award of the degree of Bachelor of Science (Architecture) or Bachelor of Design in Architecture with honours; or,

1.2.1 by the date of enrolment, showing evidence of completion of one or more of the following:

1.2.1.1 professional work experience as an employee in architecture (minimum of 18 weeks recorded in the Architects Accreditation Council of Australia (AACA) Log Book);

1.2.1.2 field study in relation to architecture (including, but not limited to, international field study);

1.2.1.3 professional work experience in a related industry (minimum of 18 weeks appropriately recorded);

1.2.1.4 study at an Australian or overseas tertiary institution in a relevant discipline; or

1.2.1.5 a combination of methods 1.2.1.1–1.2.1.4 above.

1.3 A candidate proceeding from the Bachelor of Science (Architecture) or the Bachelor of Design in Architecture to the Bachelor of Architecture shall commence candidature for the Bachelor of Architecture within six years of completing the Bachelor of Science (Architecture) or Bachelor of Design in Architecture, or shall be required to apply for admission for the degree.

2. Units of study

2.1 The units of study which may be taken for the degree are set out in the Table C, the table of units of study for the Bachelor of Architecture, together with:

2.1.1 credit point values;

2.1.2 assumed knowledge, corequisites and prerequisites;

2.1.3 the semesters in which they are offered; and

2.1.4 the units with which they are mutually exclusive; and

2.1.5 designation as core or elective.

2.2 A candidate for the Bachelor of Architecture shall complete the units of study prescribed by the Faculty, satisfying all requirements with regard to core units of study.

3. Requirements for the pass degree

3.1 To be eligible for award of the Bachelor of Architecture a candidate must complete successfully units of study giving credit for a total of 96 credit points, including:

3.1.1 78 credit points from the core units of study, and

3.1.2 18 credit points from the elective units of study listed in Table C, or from the Table of graduate units of study; Students taking graduate units must have the permission of the unit coordinator concerned.

3.2 Units of study completed at the University of Sydney Summer School which correspond to units allowable under resolution 3.1 may be credited towards the course requirements.

4. Requirements for the honours degree

4.1 To be eligible for the award of honours a candidate must complete the unit of study ARCF4201 Preparatory Advanced Study Report and ARCF5301 Advanced Study Report.

4.2 The Dean shall appoint a member of the full-time or fractional academic or research staff of the Faculty to act as supervisor of the student whilst undertaking the unit Advanced Study Report. The Dean may also appoint an associate supervisor who may be a member of the academic or research staff of the University, an Honorary Associate or a person with appropriate qualifications in another institution or organisation.

4.3 A student undertaking an Advanced Study Report shall:

4.3.1 lodge with the Faculty two copies of the Advanced Study Report embodying the results of original research investigation carried out by the student.

4.3.2 state in the Advanced Study Report, generally in the preface and specifically in the notes, the sources on which the research was based, the extent to which the student has made use of the work of others and the portion of the Advanced Study Report which is claimed to be original, and not lodge as the student’s own work any work previously submitted for a degree of the University of Sydney or any other university, but may incorporate such work in the Advanced Study Report provided that the student indicates the work so incorporated.

4.4 A student may lodge the Advanced Study Report for examination bound in either a temporary or permanent form according to the following conditions:

4.4.1 temporary binding must be able to withstand ordinary handling and postage. The preferred form of binding is the “Perfect Binding” system.

4.4.2 the cover of a temporarily bound Advanced Study Report must have a label showing the student’s name, the title of the degree, title of the thesis and the year of submission.

4.4.3 following examination and emendation if necessary, at least one copy (the Library copy) of the Advanced Study Report must be bound in a permanent form.

4.4.4 if emendations are required, all copies of the Advanced Study Report which are to remain available within the University must be amended.

4.5 A student must lodge the final thesis in a permanent form according to the following conditions:

4.5.1 permanent binding must meet the requirements given in the University Calendar under the resolutions governing the degree of Doctor of Philosophy.

4.5.2 following examination and emendation if necessary, at least one copy (the Library copy) of the Advanced Study Report must be bound in a permanent form.

4.5.3 if emendations are required, all copies of the Advanced Study Report which are to remain available within the University must be amended.

4.6 The Dean shall appoint two examiners. The examiners shall report to the Dean.

4.7 The Dean shall, on the recommendation of the Board of Undergraduate studies, award the degree of Bachelor of Architecture with honours when either of the following sections 4.7.1 or 4.7.2 are satisfied together with the following section 4.7.3:

4.7.1 the examiners have recommended the degree be awarded without reservation or subject to emendations to all copies of the Advanced Study Report which are to remain available in the University, or

4.7.2 the Board of Undergraduate Studies unanimously accepts the recommendation of the supervisor that the degree be awarded subject to emendations despite reservations expressed by any examiner; and

4.7.3 the overall performance in accordance with resolution 4.8 below is 70 or greater.

4.8 The Dean will determine the class of honours, if any, on the Weighted Average Mark achieved for the degree including the mandatory Advanced Study Report.

4.9 The Dean may recommend that an unsuccessful candidate be permitted to prepare for re-examination if of sufficient merit and the supervisor has so recommended.

4.10 Except with the permission of the Dean, no student who is of more than four semesters’ standing as a candidate for the degree shall be awarded honours at graduation.

4.11 A student wishing to undertake a joint degree, overseas study, or a specialisation of professional value may be eligible for consideration. Any request must be submitted in writing.
5. **Award of the degree**

5.1 The Bachelor of Architecture pass degree shall be awarded to a student who has completed the requirements specified for the degree in resolution 6.

5.2 The Bachelor of Architecture with honours shall be awarded with the following grades:

5.2.1 Honours Class I (with a mark of at least 75);
5.2.2 Honours Class II, Division 1 (with a mark of at least 73); or
5.2.3 Honours Class II, Division 2 (with a mark of at least 70).

5.3 A candidate for the honours program who does not meet the requirements for the award of honours shall be eligible for the Bachelor of Architecture pass degree.

5.4 Honours students with an outstanding academic record throughout the degree and who have achieved Honours Class I may be eligible for the award of a University Medal, in accordance with Academic Board policy and on nomination by the Dean with the recommendation of the Board of Undergraduate Studies.

[Section 2]

6. **Agency**

6.1 The Dean gives agency for admission to the Bachelor of Architecture degree to the Bachelor of Architecture Program Committee.

6.2 In these resolutions the Dean gives agency to the Board of Undergraduate Studies and the Associate Dean (Undergraduate Studies) for determination of the following matters, on the recommendation of the head of program where appropriate:

6.2.1 examination procedures and appointment of examiners;
6.2.2 supervision of candidature;
6.2.3 variations of candidature;
6.2.4 extension of candidature;
6.2.5 completion of candidature away from the University; and
6.2.6 any other matters as appropriate within these resolutions.

7. **Enrolment restrictions**

7.1 Except with the express permission of the Dean a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

7.2 Except with the permission of the Dean a student must maintain a full-time enrolment.

8. **Repeating a unit of study**

8.1 Unless granted exemption by the Dean for previous satisfactory completion of components of a unit of study, a student who repeats that unit of study shall:

8.1.1 participate in the learning experiences provided for the unit of study; and
8.1.2 meet all examination, assessment and attendance requirements for the unit of study.

8.2 A student who has passed a unit of study may not repeat that unit of study and have it counted towards fulfilling the requirements of the degree.

9. **Cross institutional enrolment**

9.1 Provided that permission has been obtained in advance, the Dean may permit a student to complete a unit of study at another institution and have that unit credited to his or her course requirements, provided that:

9.1.1 the unit of study content is not taught in any corresponding unit of study in the University; or
9.1.2 the student is unable for good reason to attend a corresponding unit of study at the University.

10. **Discontinuation of enrolment**

10.1 Except with the approval of the Dean, a student who withdraws from or discontinues candidature for the degree without having successfully completed a majority of units of study shall be required to reapply for admission to the degree.

11. **Suspension of candidature**

11.1 A student who has successfully completed 48 credit points of study may, with the permission of the Dean, suspend candidature for up to two semesters. At the end of that time the candidate may reapply to extend the suspension for a maximum of another two semesters. After that time candidature will be deemed to have lapsed and the student shall be required to reapply for admission to the degree.

11.2 The candidature of a student who has not obtained permission to suspend will be deemed to have lapsed and the student must apply for readmission in accordance with procedures determined by the Dean.

12. **Re-enrolment after an absence**

12.1 Except where the Dean determines otherwise, a student who re-enrols after an absence or a suspension of candidature for any period shall proceed under the by-laws and resolutions in force at the time of re-enrolment.

13. **Satisfactory progress**

13.1 The Dean may require a student to show good cause as to why he or she should not be excluded from the degree if he or she does not make satisfactory progress. A candidate who has failed a required unit of study more than once shall normally be presumed not to have made satisfactory progress.

13.2 The Dean will permit a student who has shown good cause to re-enrol.

14. **Assessment**

14.1 A student's work may be assessed by written and oral examinations, assignments, exercises and practical work or any combination of these.

14.2 A student who has been prevented by duly documented illness or misadventure from completing a unit of study may be allowed to complete that unit of study or supplementary work as the Dean shall determine.

14.3 When a student is permitted to submit additional work other than on the grounds of illness or misadventure, and the temporary grade INC has been given, the maximum result that may be awarded is 50 Pass.

15. **Weighted Average Mark**

15.1 A student's Weighted Average Mark (WAM) shall be calculated using the formula:

\[ WAM = \frac{\text{sum}(M \times CPa \times CPw)}{\text{sum}(CPa \times CPw)} \]

where \( M \) is the mark achieved, \( CPa \) is the credit points attempted and \( CPw \) is the credit point weighting of any given unit of study. The weighting is determined by the Faculty administering the unit.

15.2 In the Faculty of Architecture, a weighting of 1 is given to junior units and 3 for senior and graduate units.

16. **Attendance requirements**

16.1 A student who is absent without leave may be deemed not to have completed a particular unit of study or course.

16.2 A student who fails to meet the attendance requirements of a unit of study will be deemed not to have completed that unit of study.

17. **Credit transfer policy**

17.1 Credit will not be granted for units of study completed more than nine years prior to application, except with the permission of the Dean.

17.2 Credit will not be granted for units of study gained with a "Concessional Pass" or equivalent.

17.3 Credit may be granted as Specific Credit if the unit of study is considered to be directly equivalent to a unit of study in the Bachelor of Design in Architecture or such equivalent degree except for units of study in excess of those used to satisfy the requirements of the degree, and then only if the unit of study is deemed to be common to both tables of units of study.

17.4 The total amount of credit may not be greater than 48 credit points.

17.6 A student may apply to have credit granted on the basis of non-creditedailed learning or experience that is equivalent to a unit of study in the table of units of study for the degree, or as non-specific credit.

17.7 Credit shall not be granted for graduate units of study.

18. **Transitional provisions**

18.1 These resolutions shall apply to:

18.1.1 persons who commence their candidature after 1 January 2007; and
18.1.2 persons who commenced their candidature prior to 1 January 2007 and who elect to proceed under these resolutions.

18.2 A candidate for the degree who commenced candidature prior to 1 January 2007 may complete the requirements in accordance with the resolutions in force at the time the candidate commenced, provided that the candidate shall complete the requirements by 1 January 2011 or such later date as the Faculty may, in special circumstances, approve.
13. Postgraduate scholarships and prizes

About this chapter

The following table of scholarships and prizes is divided into two main categories:

- Research scholarships and prizes; and
- Postgraduate coursework scholarships and prizes

Within each of these divisions are two further main divisions — scholarships then prizes. These may be further divided into the course of enrolment for which the award is applicable.

Scholarships and prizes: what's the difference?

Scholarships are generally awarded at the commencement of a program of study, and often (but not always) by application. Generally, their intention is to support you while you study. Scholarships can be paid as a lump sum, a stipend or as course fees depending on the terms of the individual scholarship. Scholarships are most often awarded to full-time scholars.

Prizes are generally awarded to recognise superior academic merit during your study. They can take the form of a cash prize, a certificate or book prize or even the offer of employment. They are awarded without application. The award of a prize is recognised publicly and is recorded on your academic transcript. It is highly regarded by employers and other academic institutions.

Prize and scholarship award night

The Faculty holds a presentation evening in May where postgraduate prizes and scholarships are publicly recognised. The Student Administration Centre will contact prize and scholarship winners with an invitation.

Donations to establish prizes and scholarships

Many of the Faculty’s prizes and scholarships are donated by alumni, staff, the professions or industry. If you are interested in establishing a prize or scholarship in the Faculty of Architecture, or adding to an existing one, please contact Ms Sue Lord on 9351 5906 or the Dean on 9351 5924.

Scholarships

The table below summarises the scholarships that are known to be available to students in the Faculty of Architecture, and gives some direction about where to lodge applications. It is not an exhaustive list. Different students from different backgrounds may find funding from the community or organisations from which they come from, or from the governments of their home countries.

The diversity of sources of funds means that there is a diversity of places to look for and apply for scholarships. Scholarships come from four main sources. The Faculty of Architecture commits a significant amount of funds to research scholarships. The University of Sydney centrally funds many scholarships for the same purpose. The Australian Government funds some of the more valuable scholarships, particularly the Australian Postgraduate Awards and the Endeavour International Postgraduate Research Scholarships. Private donations provide another important source of funds for scholarships.

Scholarship information and applications

At the University of Sydney there are three main places to look for scholarship information and to lodge applications. Please read this in conjunction with the information supplied in the tables below. These organisations are often the best place to contact for enquiries regarding the terms, conditions and application dates.

Faculty of Architecture

The Faculty of Architecture handles applications for all faculty funded awards. These include postgraduate coursework and research scholarships. Keep an eye on our web site for up-to-date information about available scholarships, application closing dates and application forms. http://www.arch.usyd.edu.au

Be aware that applications for scholarships often close in September to November in the year prior to the commencement of your study.

Research Office

The Research Office has information on university and government funded scholarships for research students, as well as an excellent web site containing links to a variety of private and industry scholarships available during the year.

Graduates of the Bachelor of Architecture will also be interested in the Hezlet Bequest Travelling Scholarship, advertised through this office in January each year. This scholarship provides significant funding for postgraduate study overseas.


International Office

This is the best source of information for scholarships, particularly research scholarships, available to international students.


Disclaimer

The terms, conditions, values and availability of all prizes and scholarships are subject to change without notice.
## 13. Postgraduate scholarships and prizes

### Travelling scholarships table

<table>
<thead>
<tr>
<th>Scholarship name</th>
<th>Description</th>
<th>Approx value (p.a.)</th>
<th>Max tenure (yrs)</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hezlet Bequest Travelling Research Scholarship</td>
<td>Awarded to a graduate or graduates of the Bachelor of Architecture of the University of Sydney of not more than 4 years standing to undertake study or research at an overseas institution. Applications to the Research Office in January each year.</td>
<td>Up to $20,000</td>
<td>varies</td>
<td>varies</td>
</tr>
</tbody>
</table>

### Research scholarships table

<table>
<thead>
<tr>
<th>Category and scholarship name</th>
<th>Description</th>
<th>Approx value (p.a.)</th>
<th>Max tenure (yrs)</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Australian Postgraduate Award</strong></td>
<td>Awarded annually to Master or Doctor of Philosophy students. Applications to the University of Sydney Research Office close 31 October each year.</td>
<td>Approx $19,000</td>
<td>3</td>
<td>varies</td>
</tr>
<tr>
<td><strong>University of Sydney Postgraduate Award</strong></td>
<td>Awarded biannually to Master or Doctor of Philosophy students. Applications to the University of Sydney Research Office close 31 October and mid June each year.</td>
<td>Same as APA</td>
<td>3</td>
<td>varies</td>
</tr>
<tr>
<td><strong>Endeavour International Postgraduate Research Scholarship</strong></td>
<td>Awarded annually to Master or Doctor of Philosophy students. Applications to the University of Sydney International Office close mid September each year.</td>
<td>Same as APA</td>
<td>3</td>
<td>varies</td>
</tr>
<tr>
<td><strong>University of Sydney International Research Scholarship</strong></td>
<td>Awarded annually to an international student applying to undertake a Master or Doctor of Philosophy commencing mid year. Scholarship provides tuition fees and a living allowance. Applications to the University of Sydney International Office close late March each year.</td>
<td>Stipend to UPA and tuition fees</td>
<td>2 or 3</td>
<td>varies</td>
</tr>
<tr>
<td><strong>Faculty of Architecture International Research Scholarship</strong></td>
<td>Awarded annually to the highest ranked reserve applicant for the Endeavour International Postgraduate Research Scholarship, provided they are of sufficient merit. Scholarship covers tuition fees.</td>
<td>Same as tuition fee</td>
<td>3.5</td>
<td>1</td>
</tr>
<tr>
<td><strong>Ethel M Chettle Postgraduate Research Scholarship in Architecture</strong></td>
<td>Awarded as funds are available to a student commencing a full time Master or Doctor of Philosophy in the discipline of Architecture and the Allied Arts. The applicant must be a recent graduate in architecture from a faculty or school in Australia. Applications to the Faculty of Architecture by 31 October in the year prior to commencement, if offered. Next likely offer 2009.</td>
<td>Same as APA</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td><strong>David Noel Murray Postgraduate Scholarship</strong></td>
<td>Awarded as funds are available to a graduate of the Bachelor of Architecture at the University of Sydney who intends to commence a Master or Doctor of Philosophy. Applications to the Faculty of Architecture by 31 October in the year prior to commencement, if offered. Applications open for 2007.</td>
<td>approx $15,000</td>
<td>2 or 3</td>
<td>2</td>
</tr>
<tr>
<td><strong>Faculty of Architecture Indigenous Student Research Fellowship</strong></td>
<td>Awarded annually to an Aboriginal or Torres Strait Island Master or Doctor of Philosophy student of exceptional research promise. Applications to the Faculty of Architecture close 31 October each year.</td>
<td>Same as APA</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Jean &amp; Andrew Wong Research Scholarship</strong></td>
<td>Awarded annually to a Master or Doctor of Philosophy student in one of the disciplines of architectural science, environment, behaviour and society, or urban and regional planning and policy. Applications to the Faculty of Architecture close 31 October each year.</td>
<td>$8,000</td>
<td>1</td>
<td>1 (sharable)</td>
</tr>
<tr>
<td><strong>Henry J Cowan Research Scholarship</strong></td>
<td>Awarded annually to a Master or Doctor of Philosophy student in one of the disciplines of architectural science, environment, behaviour and society, or urban and regional planning and policy. Applications to the Faculty of Architecture close 31 October each year.</td>
<td>$5,000</td>
<td>1</td>
<td>1 (sharable)</td>
</tr>
<tr>
<td><strong>Faculty of Architecture Discipline Area Scholarships</strong></td>
<td>Awarded annually to the best new postgraduate research student commencing in each of the Faculty's five disciplines, provided they are of sufficient merit and are receiving no other scholarships. No application required.</td>
<td>$5,000</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td><strong>IPANDCO Scholarship in Environmental Sustainability</strong></td>
<td>Draft terms only: Awarded annually to a Master or Doctor of Philosophy student in the field of sustainable design. This scholarship is under review.</td>
<td>$2,000</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

### Research supplementary scholarships and top-ups

<table>
<thead>
<tr>
<th>Scholarship name</th>
<th>Description</th>
<th>Approx value (p.a.)</th>
<th>Max tenure (yrs)</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AHURI Postgraduate Student Top-Up Scholarship</strong></td>
<td>A top-up scholarship from the Australin Housing and Urban Research Institute (AHURI) is available to winners of an APA, APAI or a similar university scholarship. Interested eligible research students should contact Dr Vivienne Milligan in the Faculty of Architecture.</td>
<td>$7,000</td>
<td>2 or 3 years</td>
<td>1</td>
</tr>
<tr>
<td><strong>Faculty of Architecture Supplementary Research Scholarship</strong></td>
<td>Full time research students in the PhD awarded an APA or fully funded UPA (not mid year UPA) or EIPRS/IPA (not USIRS) in the Faculty of Architecture and have no other “top-up” will be awarded a “top-up” scholarship to increase the stipend by $5000 p.a. No application required.</td>
<td>$5,000</td>
<td>max 3</td>
<td>varies</td>
</tr>
</tbody>
</table>

### Research prizes table

<table>
<thead>
<tr>
<th>Prize name</th>
<th>Description</th>
<th>Approx value (p.a.)</th>
<th>Max tenure (yrs)</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Henry J Cowan Research Prize in Environment, Behaviour and Society</strong></td>
<td>Awarded annually to a deserving student of the EBS discipline, provided that the candidate's work is of sufficient merit.</td>
<td>Book prize</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Postgraduate coursework scholarships table

<table>
<thead>
<tr>
<th>Scholarship name</th>
<th>Description</th>
<th>Approx. value p.a.</th>
<th>Max tenure (yrs)</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allen Jack + Cottier Scholarship in Heritage Conservation</td>
<td>Awarded annually to the best student entering the Master of Heritage Conservation, who has an architectural design background and intends to study the creative re-use of buildings. Applications by November 30 each year to the Faculty of Architecture.</td>
<td>$750</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Commonwealth Supported Equity Scholarship</td>
<td>Awarded annually to Commonwealth support eligible students in receipt of Centrelink or other government benefits for low income earners, to provide for HECS-HELP in place of full fees for postgraduate courses. Applications by November 30 each year to the Faculty of Architecture.</td>
<td>HECS HELP</td>
<td>up to 12</td>
<td>1</td>
</tr>
<tr>
<td>Denis Winston Memorial Scholarship in Urban and Regional Planning</td>
<td>Awarded to students of outstanding academic potential in the MURP. Applications by November 30 each year to the Faculty of Architecture. This scholarship is under review and not offered for 2007.</td>
<td>$3,500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Klaus Engelhard Scholarship in Illumination Design</td>
<td>Awarded on application to IES The Lighting Society to the outstanding applicant or new student in the Graduate Certificate in Design Science (Illumination Design). The scholarship is intended to cover tuition fees for the graduate Certificate.</td>
<td>$4,920</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sony Foundation Technology and Science Scholarship in Audio Design</td>
<td>Awarded annually to the outstanding student in the Master of Design Science (Audio Design) Program who has completed at least 36 cp. No application required.</td>
<td>$12,500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sony Foundation Technology and Science Scholarship in Digital Media</td>
<td>Awarded annually to the outstanding student in the Master of Design Science (Digital Media) Program who has completed at least 36 cp. No application required.</td>
<td>$12,500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Tertiary Education Facility Management Association / National Council of Rationalised Building Scholarship in Facilities Management</td>
<td>Awarded annually to the top student in each of the architectural science graduate programs (Audio &amp; Acoustics, Building, Building Services, Illumination Design and Sustainable Design).</td>
<td>$1,500</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Woods Bagot Scholarship in Urban Design</td>
<td>Awarded annually to the best student commencing the Master of Urban Design in terms of potential for urban design (selected on prior academic merit, then portfolio and interview). Applications by November 30 each year to the Faculty of Architecture.</td>
<td>$1,000</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Postgraduate coursework prizes table

<table>
<thead>
<tr>
<th>Course availability and prize name</th>
<th>Description</th>
<th>Approx value p.a.</th>
<th>Max tenure (yrs)</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>All courses</td>
<td>Students in the top 15% of their course each year are placed on the Dean's List of Excellence in Academic Performance. This is noted on their transcripts.</td>
<td>0</td>
<td>1</td>
<td>n/a</td>
</tr>
<tr>
<td>Architecture</td>
<td>Awarded annually to the Master of Architecture (Architectural Design) graduand with the best record in architectural design subjects.</td>
<td>$940</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Audio and Acoustics</td>
<td>Awarded annually to the top student in each of the architectural science graduate programs (Audio &amp; Acoustics, Building, Building Services, Illumination Design and Sustainable Design).</td>
<td>$100</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Building</td>
<td>Awarded annually to the top student in each of the architectural science graduate programs (Audio &amp; Acoustics, Building, Building Services, Illumination Design and Sustainable Design).</td>
<td>$100</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Australian Institute of Building NSW Chapter Medal in Building</td>
<td>Awarded annually to the outstanding graduate from the MDesSc(Building) program.</td>
<td>Certificate</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Architecture</td>
<td>Awarded annually to the top student in each of the architectural science graduate programs (Audio &amp; Acoustics, Building, Building Services, Illumination Design and Sustainable Design).</td>
<td>$100</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Australian Institute of Building NSW Chapter Medal in Building Services</td>
<td>Awarded annually to the outstanding graduate from the MDesSc(Building Services) program.</td>
<td>Certificate</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>David Rowe Memorial Prize in Building Services</td>
<td>Awarded annually to the outstanding Master of Design Science (Building Services) student with the best average mark in at least 48 credit points.</td>
<td>$750</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Design Computing</td>
<td>Awarded annually to the outstanding Graduate Diploma or Masters students in the Design Computing graduate program. Minimum 24cp completed.</td>
<td>$100</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Digital Media</td>
<td>Awarded annually to the outstanding Graduate Diploma or Masters students in the Digital Media graduate program. Minimum 24cp completed.</td>
<td>$100</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Facilities Management</td>
<td>Awarded annually to the outstanding graduate from the Facilities Management program.</td>
<td>Certificate</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Course availability and prize name</td>
<td>Description</td>
<td>Approx value p.a.</td>
<td>Max tenure (yrs)</td>
<td>Number</td>
</tr>
<tr>
<td>-----------------------------------</td>
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</tr>
<tr>
<td>Resolve FM Pty Ltd Prize in Facilities Management</td>
<td>Awarded annually to the outstanding student or graduand in the Facilities Management program (min 24 cp).</td>
<td>$500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Illumination Design</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Science Prize</td>
<td>Awarded annually to the top student in each of the architectural science graduate programs (Audio &amp; Acoustics, Building, Building Services, Illumination Design and Sustainable Design).</td>
<td>$100</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Philips Lighting Prize</td>
<td>Awarded biennially to the student with the greatest proficiency in the IllumDes program (min 18 cp), for work completed in even numbered years.</td>
<td>$500</td>
<td>1</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Philips Prize for Illumination Design</td>
<td>Awarded biennially to the outstanding student in the Illumination Design program (min 18 cp), for work completed in odd numbered years.</td>
<td>$1,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Pierlite Prize in Illumination Design</td>
<td>Awarded annually to the student with most improved performance in the Illumination Design program.</td>
<td>Certificate</td>
<td>1</td>
<td>1 to 3</td>
</tr>
<tr>
<td>The Lighting Society Prize</td>
<td>Awarded annually to the student with the best record in core subjects in the Illumination Design program.</td>
<td>Certificate</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Sustainable Design</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Science Prize</td>
<td>Awarded annually to the top student in each of the architectural science graduate programs (Audio &amp; Acoustics, Building, Building Services, Illumination Design and Sustainable Design).</td>
<td>$100</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>John Dixon Prize in Sustainable Design</td>
<td>Awarded annually to the outstanding student in the Sustainable Design program who has completed at least 24 cp.</td>
<td>$130</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Heritage Conservation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Morton Herman Prize in Building Conservation</td>
<td>Awarded annually to a Master of Heritage Conservation student whose performance in building conservation in Australia has been outstanding.</td>
<td>$600</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Rodney Connors Prize for Conservation Studies</td>
<td>Awarded annually to the outstanding graduand in the Heritage Conservation Program.</td>
<td>$450</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Urban Design</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marjorie and Lloyd Rees Prize for Urban Design</td>
<td>Awarded to the best student in the urban design studio graduating Master of Urban Design or Graduate Diploma in Urban Design.</td>
<td>$2,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Urban and Regional Planning</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australian Institute of Building NSW Chapter Medal in Housing Studies</td>
<td>Awarded annually to the outstanding graduate from the Master of Urban and Regional Planning (Housing Studies) program.</td>
<td>Certificate</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>City of Willoughby Prize in Planning Procedures</td>
<td>Awarded annually to the outstanding student in Planning Procedures.</td>
<td>$290</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Heritage Council Award</td>
<td>Awarded annually to the outstanding student in the heritage assessment component of the unit of study Planning Law.</td>
<td>Book prize</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>John Odongo Prize in Economic and Community Development</td>
<td>Awarded annually to an outstanding student in the unit of study Economic and Community Development.</td>
<td>$140</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>John Toon Prize in Environmental Planning</td>
<td>Awarded annually to the best Graduate Diploma or Master of Urban and Regional Planning student in the unit of study Environmental Planning.</td>
<td>$500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Lyle H Moore Memorial Prize in Housing Studies</td>
<td>Awarded annually to the outstanding student in the Master of Urban and Regional Planning (Housing Studies).</td>
<td>$450</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Mirvac Scholarship in Urban Design</td>
<td>Draft terms: Awarded annually to the Urban &amp; Regional Planning student with the best record in the unit Urban Design and Development Control. This prize is under review.</td>
<td>$600</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>New South Wales Department of Planning Prize</td>
<td>Awarded annually to the outstanding graduand of the Master of Urban and Regional Planning.</td>
<td>$250</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Norman Townsend Prize in Urban and Regional Planning</td>
<td>Awarded annually for the best Planning Report in Urban and Regional Planning.</td>
<td>$150</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Norman Waterhouse Prize in Planning Law</td>
<td>Awarded annually to the Urban and Regional Planning student with the best result in the unit of study Planning Law.</td>
<td>$250</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Planning Institute of Australia (NSW Division) Prize</td>
<td>Awarded annually to the outstanding graduand of the Master of Urban and Regional Planning.</td>
<td>$150</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Planning Research Centre Prize</td>
<td>Awarded annually for the best research dissertation in Urban and Regional Planning.</td>
<td>$500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Vernon Memorial Prize in Urban and Regional Planning</td>
<td>Awarded annually to an outstanding student in Graduate Diploma or Master of Urban and Regional Planning who has completed at least 48 credit points.</td>
<td>$390</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
About this chapter
This chapter provides practical enrolment advice to students about to enrol into postgraduate coursework degrees in the Faculty of Architecture. It is best read prior to your attending enrolment so that you will be able to proceed through the enrolment process with the minimum of fuss. Read the frequently asked questions first, then skip to the part that deals with your degree.

The enrolment advice presented here is intended as a guide only and only for the first year or semester of study. You should plan the remainder of your study according to your personal preferences and your course requirements.

A course planner is provided at the back of the handbook to assist you.

Frequently asked questions

How many credit points should I take each semester?
The minimum full-time enrolment is 18 credit points per semester. A normal full-time load of 24 credit points per semester will allow you to complete your course in the minimum standard time.

There is no standard part-time enrolment except that you have to take at least one unit of study per year.

What is the maximum number of credit points I can take each semester?
You may not take more than 30 credit points in one semester.

Do I have to be full-time? What is full-time?
A full-time enrolment is defined as at least 18 credit points in each semester. You do not necessarily have to be full-time:

- Local students and permanent residents do not have to be full-time.
- International students MUST be enrolled full-time, unless a part-time enrolment is all that is required to complete the degree in the final semester.
- Scholarship students frequently have to be enrolled full-time.
- Public transport concessions are only available to full-time students.
- Some forms of government benefits may require full-time study. Check the provisions of your support scheme.

What's the difference between a 'course' and a 'unit of study'?
- A ‘course’ is a degree, diploma or certificate as a whole.
- A ‘unit’ or ‘unit of study’ is an individual subject, comprised of lectures, seminars, tutorials etc.
- A course is comprised of many units. Each unit of study carries a credit point value – usually six or 12.
- Progress toward the completion of a course is crudely measured by the accumulation of credit points from units passed.

What does ‘program’ mean?
The term ‘program’ is sometimes used to describe a group of related courses – for example, ‘Digital Media program’ refers to the Graduate Certificate in Design Science (Digital Media), Graduate Diploma in Design Science (Digital Media) and Master of Design Science (Digital Media).

What is meant by ‘core’, ‘optional’ and ‘elective’ units?
Units of study are defined as being core, optional or elective depending on your course of enrolment. A unit that is core in one program may be elective in another. Table G, the Table of graduate units of study defines the core and optional units for your program. All units listed that are not in your program are electives.

How do I determine my course requirements?
The Table of Requirements tells you how many credit points of core, optional or elective units you must accumulate for the award of your course. Table G, the Table of graduate units of study defines the core and optional units for your program. All units listed that are not in your program are electives.

Do I have to choose units of study for the whole year at enrolment?
Yes, for graduate diploma and master’s students. The University requires that you choose your enrolment for the whole year if you are enrolling in Semester One, or just for Semester Two if you are commencing in Semester Two.

Full-time graduate certificate students will only be enrolled for one semester, even if you intend to carry on to the master’s degree.

Graduate certificate students who do not have a bachelor degree must achieve an average of 70 in all units attempted before they may upgrade their course to graduate diploma or master’s.
Can I take undergraduate units of study?

No.

What if I change my mind about the units of study I have chosen?

It is advised that you choose your subjects carefully but you can vary your enrolment at any time up to the end of the second week of classes. After that you are subjected to restrictions. There is a table of important dates at the front of the handbook. Please refer to it frequently during the year.

How do I change my enrolment after enrolment day?

You are strongly encouraged to use the Web Enrolment Variation system available through My Uni (http://myuni.usyd.edu.au) to add or drop units of study. You may also come to the counter of the Student Administration Centre on level 2 of the Wilkinson Building during counter hours if you need help.

How do I get a timetable?

You will download your personalised timetable from MyUni in Orientation Week, that is, the week before classes start. Before that time the Faculty of Architecture will make available draft timetable information at enrolment, on its website (http://www.arch.usyd.edu.au) and on noticeboards outside the Faculty of Architecture Student Administration Centre.

Where can I get intensives timetable information?

Units taught in intensive mode are not timetabled on the online personal timetable system. Please use the Faculty of Architecture website or the Faculty of Architecture Student Administration Centre notice board for information about dates and locations of intensives.

While every effort is made to publish accurate timetable information it does happen that timetables change at late notice. Always check your University email account and the Faculty timetable website the night before a class is due to start to confirm that it will proceed as you thought.

What is FEE-HELP? Am I eligible?

FEE-HELP allows Australian citizens and permanent humanitarian visa holders to borrow the money for the tuition fees from the Australian federal government, to be repaid through the tax system. FEE-HELP is not available to permanent residents. You will receive information about FEE-HELP at enrolment. Alternatively, look at the website http://www.goingtouni.gov.au for more information. Students who select to pay their tuition fees with FEE-HELP will be required to supply their tax file number at enrolment. Documentary evidence of Australian citizenship MUST be supplied before FEE-HELP can be granted.

Can I get a discount on the tuition fees for paying up-front?

No. Unlike the HECS system, there is no discount for up-front tuition fee payments. However, lump sum FEE-HELP re-payments over $500 made to the Australian Tax Office attract a 10% discount.

Can I get credit for previous tertiary study?

You can gain up to 18 credit points of specified credit within the graduate diploma and master’s degree. Credit is NOT available to graduate certificate students unless your study was completed with this faculty as a non-degree or continuing professional development student. In order to have your previous study credited:

1. Complete a credit request form.
2. If your study was at a university other than the University of Sydney you MUST supply ORIGINAL academic transcripts, unit of study (subject) descriptions and documentation concerning the requirements for that degree (i.e. duration, credit points for completion, credit points for the individual units of study). If you studied at Sydney please just complete the form and be sure to include your student number.
3. Discuss your credit application with your program coordinator and have them sign their agreement. Lodge the full set of documents with the Faculty of Architecture Student Administration Centre for final approval by the Associate Dean and recording on your record.

Where do I find the full requirements of the degree and unit choices for second year?

The Faculty of Architecture Handbook is the place where all the rules for the completion of your degree are kept: chapter 18 Postgraduate coursework regulations. The handbook also contains important tables of units of study and unit of study descriptions relevant to your degree.

The 2007 handbook is available online at http://www.usyd.edu.au/handbooks/; for sale at the Student Centre, Carslaw building; for sale through the handbooks website; or to browse in any University library. This information is part of the Handbook.

How do I enrol next year?

In October each year you will be invited to ‘pre-enrol’ for the following year. Instructions will be issued to you by the University and the Faculty through your University email account. It will then be up to you to re-examine the handbook and advise the Faculty of Architecture of the units of study you intend to take the following year.

Who can I ask for help with my enrolment?

Your program coordinator can provide academic advice and is best placed to answer questions about the content of the course. If you need help to change your enrolment or advice on any matter relating to your enrolment you should contact the Faculty of Architecture Student Administration Centre.

Phone: +61 2 9351 3248
Fax: + 61 2 9036 9532
Email: sac@arch.usyd.edu.au

The SAC counter hours for in person enquiries are:
Monday and Wednesday: 10am–4pm (closed 12.30pm–1.30pm)
Tuesday and Thursday: 10am–6pm (closed 2pm–4pm)
Friday: 10am–12noon

During non teaching periods the counter will close at 5pm on Tuesdays and Thursdays.
Program specific enrolment advice

Architectural design
The following table lists the recommended units for a student commencing full-time in the graduate diploma or master’s in Semester One. Students commencing in Semester Two should take ARCH9052 in Semester Two instead of ARCH9053. Students studying part-time are advised to take some of the core and/or optional theory units before they attempt the studio.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ARCH9049 History of Modern Architectural Theories</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ARCH9052 Graduate Architectural Design Studio 1</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>ARCH9048 Contemporary Architectural Theories</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ARCH9053 Graduate Architectural Design 2</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

Audio and acoustics
The following table lists the recommended units for a student commencing full-time in the graduate diploma or master’s in Semester One. Students studying part-time are advised to take the core units first. The suggested units for Semester Two are suitable for a student commencing in Semester Two. It is not possible to complete a graduate certificate full-time if you commence in Semester Two.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DESC9011 Audio Production</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9115 Digital Audio Systems</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9138 Architectural &amp; Audio Acoustics</td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td>DESC9117 Sound Design for New Media</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td></td>
</tr>
</tbody>
</table>

Building
The following table lists a suggested full-time enrolment for graduate diploma or master’s students commencing in Semester One. The requirements for the degree and the number of possible core units make it difficult to prescribe an enrolment. Unit choices should suit your interests. All students should complete Building Design Practice 1 and 2. Students with an architecture degree may be eligible for credit for Building Design Practice 1 and should consult the program coordinator. Graduate certificate students commencing full-time in Semester Two should be careful to complete 24 credit points of core units of study.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DESC9119 Building Design Practice 2</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Core or elective</td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td>DESC9118 Building Design Practice 1 or alternate</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Core or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

Architectural history, theory & criticism
The following table lists the recommended units for a student commencing full-time in the graduate diploma or master’s in Semester One. Students studying part-time are advised to take the core units first. The suggested units for Semester Two are suitable for a student commencing in Semester Two.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ARCH9049 History of Modern Architectural Theories</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ARCH9051 Urban Design: The Impact of Modernisation</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td>ARCH9048 Contemporary Architectural Theories</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ARCH9073 Architecture, Globalisation &amp; Urbanism</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

Architectural & urban design
The following table lists the recommended units for a student commencing full-time in Semester One. It presupposes that students will take the Architectural Design studios in the first year and the Urban Design studios in the second year. This can be reversed according to personal preference.

Students studying part-time are advised to take some of the theory units before they attempt the related studio. Students commencing in Semester Two should take Graduate Architectural Design 1 or Urban Design Studio A in Semester Two.
Building services
The following table lists a suggested enrolment for a student commencing full-time in the graduate diploma or master’s in Semester One. Students should note the number of optional units that are offered in alternate years when planning their enrolment. The suggested units for Semester Two are suitable for a student commencing in Semester Two. It is not possible to complete a graduate certificate full-time if you commence in Semester Two.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DESC9014  Building Construction Technology</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9151  Introduction to Building Services</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9040  Electrical Services</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Core or option or elective</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>DESC9074  Project and Contract Management</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

Design computing
The following tables list a suggested enrolment for a student commencing full-time in the graduate certificate, graduate diploma or master’s in Semester One. All students are advised to take a common first semester.

Semester Two core units will depend on student interest. The following table lists a recommended Semester Two enrolment for a computational design emphasis.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DESC9174  Theory &amp; Practice of Digital Design</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9175  Web Design &amp; Programming</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9019  3D Computer Graphics Concepts</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9091  Digital Media Production</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>DESC9186  Digital Culture</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Studio</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Core or option or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

The following table lists a suggested enrolment for a student commencing full-time in Semester Two.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>DESC9177  Computer Supported Collaborative Design</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9178  Computer Integrated Design</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9179  Ambient Visualisation with Devices</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9180  Designing Virtual Worlds</td>
<td>6</td>
</tr>
</tbody>
</table>

Facilities management
The following tables list a suggested enrolment for a student commencing full-time in the graduate diploma or master’s in Semester One. It is not possible to complete a graduate certificate full-time. The enrolment suggestions for Semester Two are valid for a student commencing in Semester Two.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DESC9047  Strategic Facility Management</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9049  Financial &amp; Managerial Accounting</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>DESC9048  Operational Facility Management</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9074  Project &amp; Contract Management</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9183  Risk Management</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

Digital media
The following tables list a suggested enrolment for a student commencing full-time in the graduate certificate, graduate diploma or master’s in Semester One. All students are advised to take a common first semester. Students with an interest in 3D animation should take DESC9092 3D Animation 1 in Semester Two.

Students are encouraged to take at least one and possibly two of the 12 credit point studios.

Core units taken above the minimum requirements can be counted as options and electives.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DESC9174  Theory &amp; Practice of Digital Design</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9175  Web Design &amp; Programming</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9019  3D Computer Graphics Concepts</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9091  Digital Media Production</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>DESC9186  Digital Culture</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Studio</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Core or option or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

The following tables list a suggested enrolment for a student commencing full-time in Semester Two.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>DESC9177  Computer Supported Collaborative Design</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9178  Computer Integrated Design</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9179  Ambient Visualisation with Devices</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9180  Designing Virtual Worlds</td>
<td>6</td>
</tr>
</tbody>
</table>

The following table lists a recommended Semester Two enrolment for an entertainment computing emphasis.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>DESC9179  Ambient Visualisation with Devices</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9180  Designing Virtual Worlds</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9019  3D Computer Graphics Concepts (optional unit)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9091  Digital Media Production (optional unit)</td>
<td>6</td>
</tr>
</tbody>
</table>

The following table lists a recommended enrolment for a graduate certificate, graduate diploma or master’s student commencing full-time in Semester Two.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>DESC9047  Strategic Facility Management</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9049  Financial &amp; Managerial Accounting</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td>6</td>
</tr>
</tbody>
</table>
Illumination design

The units of the Illumination Design program are alternated over two years. The degree is best taken as a full-time student by commencing in an odd numbered year. Students who attempt to commence full-time in an even year will take four semesters to complete the master’s degree. This table presents an enrolment suggestion for a full-time master's student commencing in Semester One in an odd numbered year.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9166</td>
<td>Photo &amp; Colorimetric Concepts &amp; Mensuration</td>
<td>6</td>
</tr>
<tr>
<td>DESC9167</td>
<td>Vision &amp; Visual Perception</td>
<td>6</td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Option or elective</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9164</td>
<td>Light Sources &amp; Luminaires</td>
<td>6</td>
</tr>
<tr>
<td>DESC9168</td>
<td>The Visual Field &amp; Human Factors</td>
<td>6</td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Option or elective</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Sustainable design

The following table lists a suggested enrolment for a student commencing full-time in the graduate diploma or master's in Semester One. It is not possible to complete a graduate certificate in this program by full-time study. The enrolment suggestions for Semester Two are valid for a student commencing in Semester Two.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9145</td>
<td>Sustaining the Built Environment</td>
<td>6</td>
</tr>
<tr>
<td>DESC9146</td>
<td>Climate, Comfort &amp; Sustainable Design</td>
<td>6</td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Option or elective</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9147</td>
<td>Sustainable Building Design Principles</td>
<td>6</td>
</tr>
<tr>
<td>DESC9148</td>
<td>Sustainable Building Design Practice</td>
<td>6</td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Option or elective</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Heritage conservation

The following table lists a suggested enrolment for a student commencing full-time in the graduate diploma or master's in Semester One. A student who commences a graduate certificate in Semester One and wishes to complete full-time should seek permission to enrol in Planning Procedures. The enrolment suggestions for Semester Two are valid for a student commencing in Semester Two. It is not possible to complete a graduate certificate in this program by full-time study if you commence in Semester Two.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9028</td>
<td>Conservation Methods &amp; Practices</td>
<td>12</td>
</tr>
<tr>
<td>ARCH9074</td>
<td>History &amp; Theory of Conservation</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9075</td>
<td>New Design in Old Settings</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9061</td>
<td>Planning Procedures</td>
<td>6</td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Students commencing part time from Semester One are advised to take the core units in the following order at a rate that suits their ability to study. ARCH9074 History & Theory of Conservation, PLAN9061 Planning Procedures, ARCH9028 Conservation Methods and Practices, ARCH9075 New Design in Old Settings.

Urban design

The following table lists the recommended units for a student commencing full-time in the graduate certificate, graduate diploma or master’s in Semester One. PLAN9065 could be taken in the following year if desired, rather than in the first semester of the first year. Students commencing in Semester Two should take ARCH9001 in Semester Two instead of ARCH9002. Students studying part-time are advised to take some of the core and/or optional theory units before they attempt the studio.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9001</td>
<td>Urban Design Studio A</td>
<td>12</td>
</tr>
<tr>
<td>ARCH9062</td>
<td>Urban Design: Ideas &amp; Methods</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9065</td>
<td>Urban Environment</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9002</td>
<td>Urban Design Studio B</td>
<td>12</td>
</tr>
<tr>
<td>ARCH9063</td>
<td>Urban Morphology</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Master of Urban Design (Urban Design & Planning)

The following table lists the recommended units for a student commencing full-time from Semester One. It presupposes that students will take the Urban Design Studios in the first year and the remainder of the planning core in the second, although this could be reversed according to personal preference. Students commencing in Semester Two should take ARCH9001 and PLAN 9061 in Semester Two instead of ARCH9002 and PLAN9062. Students studying part-time are advised to take some of the Urban Design theory units before they attempt the studio. Students who wish to achieve PIA accreditation should aim to complete PLAN9018 Planning Report in the final semester, although this is not a requirement of this degree.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9001</td>
<td>Urban Design Studio A</td>
<td>12</td>
</tr>
<tr>
<td>ARCH9062</td>
<td>Urban Design: Ideas &amp; Methods</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9061</td>
<td>Planning Procedures</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9002</td>
<td>Urban Design Studio B</td>
<td>12</td>
</tr>
<tr>
<td>ARCH9063</td>
<td>Urban Morphology</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9062</td>
<td>Planning Law</td>
<td>6</td>
</tr>
</tbody>
</table>
Urban and regional planning
The Urban and Regional Planning degree can be taken at the master's level with or without a stream. In any case, the core requirements are the same for all. The first table presents a suggested enrolment for a full-time graduate diploma or master's student commencing in Semester One. The first semester is also suitable for a full-time graduate certificate student.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN9061</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9063</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9068</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9069</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9062</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9064</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

Students commencing part-time from Semester One are advised to take the core units in the order illustrated in the following table. Students commencing part-time from Semester Two should take Planning Procedures instead of, or as well as, Planning Law. Planning Procedures in Semester Two is taught in intensive mode a week prior to the start of lectures for Planning Law.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN9061</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9063</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9068</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9069</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9062</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9064</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

Heritage conservation stream
Students may elect to complete a structured set of optional units and graduate with the Master of Urban and Regional Planning (Heritage Conservation). The core requirements to meet PIA accreditation remain the same. The following table presents a suggested enrolment for a full-time master's student commencing in Semester One.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN9063</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9068</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9069</td>
<td>6</td>
</tr>
<tr>
<td>ARCH9074</td>
<td>6</td>
</tr>
</tbody>
</table>

Housing studies stream
Students may elect to complete a structured set of optional units and graduate with the Master of Urban and Regional Planning (Housing Studies). The core requirements to meet PIA accreditation remain the same. The following table presents a suggested enrolment for a full-time master's student commencing in Semester One.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN9061</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9063</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9068</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9069</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9062</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9064</td>
<td>6</td>
</tr>
<tr>
<td>Housing Studies Option</td>
<td>6</td>
</tr>
<tr>
<td>Elective or Housing Studies Option</td>
<td>6</td>
</tr>
</tbody>
</table>

Urban design stream
Students may elect to complete a structured set of optional units and graduate with the Master of Urban and Regional Planning (Urban Design). The core requirements to meet PIA accreditation remain the same. The following table presents a suggested enrolment for a full-time master's student commencing in Semester One. Students will require the permission of the Urban Design coordinator to take this stream. You will require a Bachelor of Architecture, or similar degree with design experience, and may be requested to provide a portfolio.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN9061</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9063</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9068</td>
<td>6</td>
</tr>
<tr>
<td>ARCH9062</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9064</td>
<td>6</td>
</tr>
<tr>
<td>ARCH9001</td>
<td>12</td>
</tr>
<tr>
<td>ARCH9063</td>
<td>6</td>
</tr>
</tbody>
</table>
15. Graduate coursework degrees

Overview

Courses
The following postgraduate coursework degrees are offered by the Faculty of Architecture at the graduate certificate, graduate diploma and master level:

- Architecture
- Design Science
- Facilities Management
- Heritage Conservation
- Urban Design
- Urban and Regional Planning

Streams
Some of the degrees require or allow streams to be completed. In order to complete a stream a student must study a minimum set of prescribed core and optional units of study which build an expertise in that area. The units of study are listed in Table G, the Table of graduate units. The following degrees offer streams:

Architecture
- Architectural History, Theory and Criticism
- Architectural Design
- Architectural and Urban Design

Design Science
- Audio & Acoustics
- Building
- Building Services
- Design Computing
- Digital Media
- Facilities Management
- Illumination Design
- Sustainable Design
- Combination of any two Design Science streams

Master of Urban Design
- Available without specialisation
- Urban Design and Planning

Master of Urban and Regional Planning
- Available without specialisation
- Heritage Conservation
- Housing Studies
- Urban Design

Combined degrees
The Faculty offers combined degrees through the Faculty of Economics and Business. Students interested in these combined programs should make enquiries with that Faculty.

- Master of Commerce/Master of Facilities Management
- Master of Transport Management/Master of Urban and Regional Planning

Admission
Applicants for Architectural Design must have a professional degree in architecture and submit a portfolio of work indicating relevant design interests and capacities to the satisfaction of the stream coordinator. Applicants for Digital Media must submit a portfolio and a statement of interest as well as meet the following criteria. Applicants for other degrees are normally expected to hold a bachelor degree from this or another university. Where this degree is not directly relevant to the chosen field applicants may be asked to furnish evidence that they are suitably qualified for the course. Applicants without a bachelor degree may be admitted to the graduate certificate on a probationary basis. If they achieve an average mark in excess of 70 they will be allowed to proceed to the graduate diploma or master level.

Articulation from graduate certificate or diploma to master's
Students are encouraged to enrol into the degree and stream that they intend to complete. If you wish to complete a master degree you should apply for the master program. However, the postgraduate degrees are articulated, allowing easy progression (or regression) from the graduate certificate to the graduate diploma or master degree, or vice-versa. The main difference between the level of award is the total number of credit points required, as well as the number of core, optional and elective units of study required. A student who begins with a graduate certificate can easily upgrade to a higher award. A student who begins with a master degree but decides not to continue may be able to graduate with a graduate diploma or graduate certificate.

Master degrees requiring 72 and 96 credit points
Most of the master degrees listed require 72 credit points, or 1.5 years of full-time study. However, the following master degrees require 96 credit points, or 2 years of full-time study, and allow the combination of two programs:

- Master of Architecture (Architectural and Urban Design)
- Master of Urban Design (Urban Design and Planning)
- Master of Design Science (combination of any two Design Science streams)

The same principles of articulation apply; a candidate enrolled in a 72 credit point master can upgrade to an appropriate 96 credit point master, and vice-versa. However, students intending to complete a 96 credit point master degree are advised to plan this carefully from the beginning of their candidature to ensure they can complete all requirements in a timely fashion.

Honours
By completing the dissertation, master degree students may qualify for the award of the degree with honours. From 2005 the Dissertation shall be completed in addition to the requirements for the pass degree for all degrees except the Master of Urban and Regional Planning. Master of Urban and Regional Planning students who wish to graduate with honours attempt the Dissertation as part of the 72 credit points required for the degree. To qualify to enrol in honours, candidates must have a Weighted Average Mark of at least 75 in all other coursework required for the course. To qualify for honours students must achieve at least 75 in the dissertation. Students who do not achieve at least 75 in the dissertation will not be awarded honours.

Research degrees
Students who complete a master degree with honours, or who have a bachelor degree with honours in a relevant area, are encouraged to consider a research degree (see chapter 6). Such students should
discuss their plans with their program coordinator or Dissertation supervisor, or seek advice from the Student Administration Centre.

**Graduation**

Students who choose to articulate their program will only graduate with the highest qualification they achieve.

**Degrees and specialisations**

**Architecture**

The Architecture Program addresses a future in which the role of the professional architect will increasingly be to move, with agility and expertise, between different environmental and design disciplines in the different cultural regions of the World. Leading architects are now often involved in the design of new materials, structures, exhibitions, graphics, film, digital video, furniture, fashion, lighting, household products, theatre sets and art installations, as well as in the architect's traditional role as planner of houses, offices, schools, museums, airports, public spaces and city master plans, etc. Architects increasingly comprehend the place of their activity within the broad realm of ideas, and philosophers are increasingly being drawn to architecture by the directness in which it must both make sense of, and create the contemporary world. The Architecture Program is intended to prepare students for the developing multi-faceted and multi-ability role of the professional architect. The core units of study cover architectural history, theory and criticism, architectural technologies and architectural design. Options and electives are available in the other related programs of the Faculty.

**Architectural History Theory and Criticism**

The graduate program in Architectural History, Theory and Criticism consists of advanced study in contemporary and recent theories of architecture using historical enquiry. It can prepare the student for further MPhil and PhD studies in the discipline, or for academic careers in architectural history, or in architectural journalism and writing.

**Architectural Design**

The graduate program in Architectural Design consists of advanced studio-based inquiry into architecture as a discipline, and involves experimental research into the manner and methods of conceiving contemporary architecture. The core units of study include architectural history, theory and criticism. Students may apply to extend the program into a two-year joint Master of Architecture (Architectural and Urban Design) by taking additional units from the urban design program.

**Design Science**

**Audio & Acoustics**

The program offers a unique balance of studio-based production subjects and laboratory-based theoretical and investigative subjects. It aims to extend students' existing skills to a high level of proficiency and professionalism in the various disciplines that contribute to the audio field. The program suits people with an academic and/or professional track record in audio or related areas, wishing to extend the breadth and level of their expertise. Much of the work in the Audio & Acoustics program takes place in the Faculty of Architecture's sound studio or acoustical laboratory. The sound studio is equipped for both recording and production, utilising current digital sound and video resources. The acoustical laboratory has an anechoic room and a reverberant room, and is equipped with state-of-the-art acoustical measurement and analysis tools. A student in the Audio & Acoustics program has the opportunity to develop a sophisticated understanding of, and skills in, audio production and its application to new media, audio system and component design, audio and architectural acoustics, digital audio systems and electronics, and music as it relates to audio design. Students are exposed to world-class research activities and have the opportunity to do research projects of their own. The program is currently developing in the areas of new media, subjective acoustics, spatial audio (virtual sound space), and music technology. The core units of study in this program are listed in the Table of Graduate Studies. There is flexibility to study areas of specific interest to each student. Options are available in other related programs offered by the Faculty (e.g. Design Computing, Digital Media) and elective units may be taken from any other program in the Faculty or from other relevant programs at the University of Sydney.
Facilities Management program may be completed as part of a Graduate Certificate, Graduate Diploma or Master of Design Science (Facilities Management) or a Master of Design Science with two streams, one of which is Facilities Management. The program may also be taken as a named qualification: Graduate Certificate, Graduate Diploma of Master of Facilities Management.

Master of Commerce/Master of Facilities Management
The Master of Commerce/Facilities Management award course is a path-breaking initiative in cross-disciplinary postgraduate education between the Faculty of Economics and Business and the Faculty of Architecture. Integrating specialised study in facilities management with carefully tailored study in key areas of contemporary business thought and practice, the program offers facilities managers, general business managers and entrepreneurs alike a specially crafted and cohesive program of study that draws together knowledge from the fields of strategic management, business decision-making, project management, organisational studies, risk management, human resource management, accounting principles and processes, business law and marketing, and facilities management. Although built around a core of essential knowledge, the program also allows students scope to undertake advanced study in one of more areas of business practice. The course takes two years full-time.

Interested students should make enquiries with the Faculty of Economics and Business.

Illumination Design
A professional program for architects, interior designers, engineers, ergonomists and related professionals. The aim is to improve the quality of lighting design and the quality of the luminous environment. This program is one of only a few in the world. Its emphasis is on producing good lighting designers by introducing you to the multidisciplinary background of lighting knowledge before integrating this knowledge into the general process of lighting design. Successful completion of the core will qualify you for full membership of the Illuminating Engineering Society of Australia and New Zealand, subject to the required practical experience.

Sustainable Design
This program provides the necessary skills and knowledge to design energy-efficient and environmentally conscious buildings. It addresses the relationship between architecture and current environmental issues, and it explores environmentally sustainable architecture. The core units of study in this program are listed in the Table of graduate units of study. There is flexibility to study areas of specific interest to each student. Options are available in other related programs offered by the Faculty (e.g. Building Services, Facilities Management, Illumination Design) and elective units may be taken from any other program in the Faculty or from other relevant programs at the University of Sydney.

Heritage Conservation
The program’s primary aim is to develop skills in the assessment, interpretation, management, formulation of policy, and documentation of culturally significant places, including buildings, sites and cultural landscapes. Secondary aims include the analysis of pressures for change and the promotion of cross-cultural study. The program emphasises the importance of management issues and a practical understanding of mechanisms of statutory authorities, both local and international, which affect conservation and development. A professional placement provides a link between the academic core of the program and the discipline and methods of practice.

Urban Design
Good urban design depends on the abilities to:

- recognise and define urban design problems;
- investigate the evolution, structure, form and character of urban places;
• draw ideas, knowledge and skills from a range of disciplines and apply these to urban projects;
• generate strong, purposeful and visionary urban design initiatives (concepts, master plans, guidelines, strategies, etc);
• evaluate urban design programs, proposals and built works;
• work successfully in interdisciplinary design teams and with private and public organisations and communities;
• present proposals and information in clear, convincing and innovative ways; and
• keep abreast with current urban design issues, methods, theories and ideas.

The Urban Design program aims to develop these abilities. They are necessary for the preparation and evaluation of urban design policies, frameworks, guidelines, master plans and concepts. A strong foundation in urban design is also essential for development assessment. And it will enhance perspectives on related areas such as urban conservation and the provision and design of infrastructure. Further, there is a small but growing demand for urban design educators and media commentators. Graduates from the Sydney program work in all of the above areas in cities and towns across Australia and all other continents.

Urban and Regional Planning

The sustainable management of our cities and regions is one of the most pressing issues in the 21st century. Urban and regional planners are at the forefront of this challenge: working in government and the private sector to guide urban and regional change and to manage the social, environmental, and economic impacts of development. Specialist planners work in fields such as urban design, heritage conservation, and housing policy. The Faculty’s urban and regional planning program provides the required knowledge and skills for professional planning practice within Australia. The program aims to introduce students to contemporary planning theories and debates while instilling professional expertise in key areas of planning practice. The program is accredited by the Planning Institute of Australia (PIA, formerly RAPI). Master’s graduates are eligible, subject to professional experience requirements, for corporate membership of the PIA.

Master of Transport Management/Master of Urban and Regional Planning

The Master of Transport Management/Master of Urban and Regional Planning award course is a path-breaking initiative in cross-disciplinary postgraduate education between the Faculties of Economics and Business and Architecture. Integrating specialised study in urban and regional planning and transport management with carefully tailored study in key areas of urban and transport planning, the program offers urban and regional planners a specially crafted and cohesive program of study that draws together knowledge from the fields of land use and transport planning, urban design, transport policy, environmental management, transport economics. Although built around a core of essential knowledge, the program also allows students scope to undertake advanced study in one of more areas of urban, regional and transport planning. Students will be prepared for careers in local government traffic and planning as well as regional and national planning organisations as well as private consultants engaged in transportation and traffic management. The Urban and Regional Planning degree is accredited by the Planning Institute of Australia (PIA, formerly RAPI). MURP graduates are eligible, subject to professional experience requirements, for corporate membership of the PIA. The combined course takes two years full-time.

Students interested in the combined degree should make enquiries with the Faculty of Economics and Business Faculty of Economics and Business.

Degree requirements summary

The following summary is subordinate to the full set of resolutions of the Faculty in chapter 18. It does not contain all of the terms of candidature. Students are strongly advised to read the full resolutions and monitor their progress through their course. A course planner can be found on the inside back cover of this book to assist you with planning your studies.

Master degrees

72 credit points selected from Table G, the Table of graduate units of study, comprised of core, optional and elective units to the number specified in the following Table of Requirements. A full-time student will finish the program in three semesters; except:

Master of Architecture (Architectural and Urban Design) and Master of Urban Design (Urban Design and Planning)

96 credit points selected from Table G, the Table of graduate units of study, comprised of core, optional and elective units to the number specified in the Table of Requirements and the degree resolutions. A full-time student will finish the program in four semesters;

Master of Design Science (two streams)

96 credit points selected from Table G, the Table of graduate units of study. The candidate must decide which of the two streams is primary, and meet the core and optional requirements for that stream as specified in the Table of Requirements. The candidate must decide which of the two streams is secondary, and meet the core requirements for that stream as specified in the Table of requirements. A unit that is common to the requirements of both streams may count towards the requirements for both streams, but may only count once in the total credit points for the degree. A full-time student will finish the program in four semesters;

Graduate diplomas

48 credit points from Table G, the Table of graduate units of study, comprised of core, optional and elective units to the number specified in the following Table of Requirements. A full-time student will finish the program in two semesters;

Graduate certificates

24 credit points from Table G, the Table of graduate units of study, comprised of core, optional and elective units to the number specified in the following Table of Requirements. A full-time student will finish the program in one semester.

Core, optional and elective

In the Table G, the Table of graduate units of study, units have been listed as core or optional. The core and optional units are the set of units from which you must choose to satisfy the minimum requirements for the degree. Elective units may be chosen from anywhere in the table, including those listed as core or optional for other programs. There is also a section at the start of the table listing miscellaneous elective units that are not specially designated as core or optional for any program. The Table of Requirements defines the combinations of core, optional and elective units for each program.

Time limits

At a maximum, you have 10 enrolled semesters within 8 calendar years to complete your degree, whichever expires first.

Credit for previous study

Credit may be granted for previous study. These rules apply:

• full credit will be granted to students ‘upgrading’ from a Graduate Certificate or Graduate Diploma to a higher degree in the same program, provided that no more than five years have elapsed since the award;
• for other students, a maximum of 12 credit points may be granted to the graduate certificate, and 18 to the graduate diploma or master’s;
• credit to the graduate certificate must have been completed within the Faculty of Architecture as non degree study.
• the study should have been completed in the last nine years;
• credit may be granted for non-credentialled learning, subject to you satisfying the program coordinator of your competency, including a written submission outlining the claim, the completion of tests or tasks to demonstrate that competency if required.

Study in other faculties

Students in the graduate diploma and master programs may request permission to substitute up to 12 credit points worth of units of study with graduate units from other programs in the university or from other universities. Permission must be requested in advance.
### Table of Requirements

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**Unit of study**

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*Students must complete the core and optional units listed for their degree and/or stream to the minimum specified in the Table of Requirements. Electives for all degrees and streams may be chosen from anywhere in the table.*
## Unit of study

<table>
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### Other elective units

**DESA9001**
Graduate Art Studio (Graphic Design)
6
Enrolment numbers are limited by space and equipment constraints. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. A materials fee applies to some Art Workshops units.

### Honours units

For the award of the Master degree with honours candidates must complete both the following units, either full time in one semester or part time over two semesters. A Weighted Average Mark of 75 is required for enrolment.

**ARCH9045**
Dissertation 1
12
P 72 credit points and a WAM of at least 75
C ARCH9045
N ARCH9001, ARCH9060, PLAN9010, PLAN9011, PLAN9018
Note: Department permission required for enrolment
Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

**ARCH9046**
Dissertation 2
12
C ARCH9045

### Research student units

These units are primarily intended for students in research degrees (PhD, MPhil). Other students are welcome but should seek advice prior to enrolment.

**ARCH9001**
Modes of Inquiry: Research & Scholarship
6
Permission required unless enrolled in a research degree. This unit is compulsory for all MPhil and PhD students in the Faculty of Architecture. It must be taken at the first opportunity.

**ARCH9002**
Nature of Theory
6
Permission required unless enrolled in a research degree. Required unit for MPhil and PhD students in the EBS or URPP disciplines.

**DESC9179**
Statistics in Environmental Design
4
Recommended for MPhil(Arch) and PhD students requiring statistical skills for their research.

**DESC9184**
Computational Intelligence & Application
6

### Certificate, Diploma and Master of Architecture

#### Architectural Design Stream

**Core units**

**ARCH9048**
History of Modern Architecture Theories
6
Semester 1

**ARCH9049**
Contemporary Architectural Theories
6
Semester 2

**ARCH9052**
Graduate Architectural Design 1
12
Permission of coordinator required unless enrolled in the Graduate Certificate, Diploma or Master in Architecture (Architectural Design) or MArch(Arch&UrbDes).
Semester 1

**ARCH9053**
Graduate Architectural Design 2
12
P ARCH9052
Permission of coordinator required unless enrolled in the Graduate Certificate, Diploma or Master in Architecture (Architectural Design) or MArch(Arch&Urb Des).
Semester 1

**Optional units**

**ARCH9051**
Urban Design: The Impact of Modernisation
6
Note: Department permission required for enrolment

**ARCH9062**
Urban Design - Ideas and Methods
6
A Some prior study of architectural, urban or planning history.
N ARCH9022
Semester 1

**ARCH9061**
East Asian Arch & Urbanism (Classical)
6
N DESA2203, ARCH6202
This unit is offered in odd numbered years only.
Semester 1
<table>
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<tr>
<th>Unit of study</th>
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<tr>
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### Architectural History, Theory and Criticism Stream

#### Core units

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<td>ARCH9051 Urban Design: The Impact of Modernisation</td>
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#### Optional units

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### Architectural and Urban Design Stream

These units are for the 96 credit point Master of Architecture (Architectural & Urban Design)

#### Core units

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<th>Credit points</th>
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### Unit of study

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#### Contemporary Architectural Theories
- Session: Semester 2

#### Urban Design Studio A
- Credit: 12
- Prerequisites: Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MArch(Arch & UrbDes) or MUrbd(UrbDes & Plan). It is recommended that the unit Urban Design - Ideas and Methods or Urban Morphology, is taken either before or concurrently with this studio.
- Session: Semester 1 and Semester 2

#### Urban Design Studio B
- Credit: 12
- Prerequisites: ARCH9001
- Session: Semester 1

#### Urban Design - Ideas and Methods
- Credit: 6
- Assumed knowledge: Some prior study of architectural, urban or planning history.
- Prohibition: ARCH9022
- Session: Semester 1

#### Urban Morphology
- Credit: 6
- Assumed knowledge: Some prior study of architectural, urban or planning history.
- Prohibition: ARCH9021
- Session: Semester 2

#### Urban Environment
- Credit: 6
- Session: Semester 1

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### Certificate, Diploma and Master of Design Science

#### Audio and Acoustics Stream

**Core units**

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#### Audio Production
- Credit: 6
- Assumed knowledge: Note: Department permission required for enrolment
- Session: Semester 1

#### Digital Audio Systems
- Credit: 6
- Assumed knowledge: Permission required unless enrolled in the Audio stream. Enrolment numbers are limited by teaching resources.
- Session: Semester 1

#### Sound Design for New Media
- Credit: 6
- Assumed knowledge: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. First preference to students in the Audio or Digital Media streams.
- Session: Semester 1 and Semester 2

#### Architectural and Audio Acoustics
- Credit: 6
- Session: Semester 1

**Optional units**

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</table>

#### Electrics Electronics & Electroacoustics
- Credit: 6
- Session: Semester 1

#### Audio Systems and Measurement
- Credit: 6
- Prerequisites: DESC9138
- Session: Semester 2

#### Loudspeaker Design
- Credit: 6
- Session: Semester 2

#### Architectural Acoustics Practice
- Credit: 6
- Prerequisites: DESC9138
- Session: Semester 2

#### Audio Seminar
- Credit: 6
- Prerequisites: DESC9138 and 9011
- Session: Semester 1

#### Digital Audio Production with ProTools
- Credit: 6
- Assumed knowledge: Permission required unless enrolled in the Audio Design stream. Enrolment numbers are limited by teaching resources.
- Session: Semester 2

#### Music Technologies
- Credit: 6
- Assumed knowledge: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. First preference to students in the Audio stream.
- Session: Semester 2

#### Spatial Audio
- Credit: 6
- Prerequisites: DESC9138 and 9011
- Assumed knowledge: Enrolment restricted by teaching resources. If your attempt to enrol online is refused please apply to the Faculty of Architecture.
- Session: Semester 1

#### Graduate Internship
- Credit: 6
- Assumed knowledge: Sufficient coursework to undertake guided professional work
- Additional information: Note: Department permission required for enrolment Masters students only. Graduate Diploma students with permission of the Program Coordinator.
- Session: Semester 1 and Semester 2

#### Interactive Sound Studio
- Credit: 12
- Prerequisites: DESC9091 or DESC9011
- Assumed knowledge: Enrolment limited by teaching resources. Permission required unless enrolled in Digital Media or Audio & Acoustics. If your attempt to enrol online is unsuccessful please contact the Architecture Student Administration Centre.
- Session: Semester 2

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### Building Stream

**Core units**

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#### Building Construction Technology
- Credit: 6
- Session: Semester 1

#### Project and Contract Management
- Credit: 6
- Session: S2 Intensive

#### Building Design Practice 1
- Credit: 6
- Session: S2 Intensive
## 15. Graduate coursework degrees

### Unit of study

<table>
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<th>Credit points</th>
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<td>DESC9185</td>
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## Building Services Stream

### Core units

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<td>DESC9111 Energy Management in Buildings</td>
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<td>DESC9112 Service Provision</td>
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<td>DESC9113 Computer Aided Facility Management</td>
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<td>DESC9146 Climate, Comfort and Sustainable Design</td>
<td>DESC9146</td>
<td>S1 Late Int</td>
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<td>DESC9148 Sustainable Building Design Practice</td>
<td>DESC9148</td>
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<td>DESC9164 Light Sources and Luminaires</td>
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<td>DESC9165 Photo &amp; Colorimetric Concepts &amp; Mensuration</td>
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<td>DESC9167 Vision and Visual Perception</td>
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<td>DESC9168 The Visual Field and Human Factors</td>
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<td>DESC9170 Services Control Systems</td>
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### Unit of study

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<tr>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td><strong>DESC9171</strong>  Vertical Transportation Services  &lt;br&gt;This unit of study is not available in 2007  &lt;br&gt;This unit of study is offered in even numbered years only.</td>
<td>6</td>
<td>N DESC9084.</td>
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<td><strong>DESC9177</strong>  Computer Integrated Design  &lt;br&gt;Any computer-aided design platform (e.g. AutoCAD, ArchiCAD, Microstation)  &lt;br&gt;N DESC9096, DECO1007</td>
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## Design Computing Stream

### Core units

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<th>C: Corequisites</th>
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<tr>
<td><strong>DESC9174</strong> Theory and Practice of Digital Design  &lt;br&gt;Permission required unless enrolled in the Design Computing or Digital Media stream. Enrolment numbers are limited by teaching resources.</td>
<td>6</td>
<td>N DESC9139</td>
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<td><strong>DESC9175</strong> Web Design and Programming  &lt;br&gt;Permission required unless enrolled in the Design Computing or Digital Media stream. Enrolment numbers are limited by teaching resources.</td>
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<td>N DESC9123, DESC9132, DESC9140</td>
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<tr>
<td><strong>DESC9176</strong> Creative Systems  &lt;br&gt;C DESC9174 or DESC9139</td>
<td>6</td>
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<tr>
<td><strong>DESC9177</strong> Computer Supported Collaborative Design  &lt;br&gt;N DESC9097</td>
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<tr>
<td><strong>DESC9178</strong> Computer Integrated Design  &lt;br&gt;N DESC9096, DECO1007</td>
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<tr>
<td><strong>DESC9179</strong> Ambient Visualisation with Devices</td>
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<tr>
<td><strong>DESC9180</strong> Designing Virtual Worlds</td>
<td>6</td>
<td>N DESC9103</td>
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<tr>
<td><strong>DESC9181</strong> Immersive Design Spaces</td>
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<td>C DESC9174</td>
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<tr>
<td><strong>DESC9182</strong> Design Computing Graduate Studio</td>
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### Optional units

Optional units for the Design Computing stream include any core unit from the Audio & Acoustics or Digital Media programs.

### Digital Media Stream

### Core units

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<th>C: Corequisites</th>
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<th>Session</th>
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<tbody>
<tr>
<td><strong>DESC9174</strong> Theory and Practice of Digital Design  &lt;br&gt;Permission required unless enrolled in the Design Computing or Digital Media stream. Enrolment numbers are limited by teaching resources.</td>
<td>6</td>
<td>N DESC9139</td>
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<tr>
<td><strong>DESC9186</strong> Digital Culture</td>
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<tr>
<td><strong>DESC9175</strong> Web Design and Programming  &lt;br&gt;Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. First preference to students of the Design Computing or Digital Media stream.</td>
<td>6</td>
<td>N DESC9123, DESC9132, DESC9140</td>
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<td>Semester 1  &lt;br&gt;Semester 2</td>
</tr>
<tr>
<td><strong>DESC9019</strong> 3D Computer Graphics Concepts  &lt;br&gt;Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. First preference to students of the Design Computing or Digital Media stream.</td>
<td>6</td>
<td>N DECO1008, DECO2103</td>
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<td>Semester 1  &lt;br&gt;Semester 2</td>
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<tr>
<td><strong>DESC9091</strong> Digital Media Production  &lt;br&gt;Enrolment numbers limited by teaching resources. First preference to students of the Digital Media stream.</td>
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<td><strong>DESC9092</strong> 3D Animation 1  &lt;br&gt;Enrolment numbers are limited by space and equipment constraints. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. First preference to students in the Design Computing or Digital Media stream.</td>
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<td>Semester 1  &lt;br&gt;Semester 2</td>
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<tr>
<td><strong>DESC9187</strong> Interactive Sound Studio  &lt;br&gt;Enrolment limited by teaching resources. Permission required unless enrolled in Digital Media or Audio &amp; Acoustics. If your attempt to enrol online is unsuccessful please contact the Architecture Student Administration Centre.</td>
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<td>P DESC9091  &lt;br&gt;P DESC9011</td>
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<td><strong>DESC9188</strong> Modelling and Animation for Games  &lt;br&gt;This unit would complement DESC9156. Permission required unless enrolled in the Design Computing or Digital Media stream. If your attempt to enrol online is unsuccessful please contact the Architecture Student Administration Centre.</td>
<td>12</td>
<td>P DESC9019 or 9092</td>
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<tr>
<td><strong>DESC9189</strong> Interacting with Urban Spaces  &lt;br&gt;Enrolment numbers are limited by teaching resources. First preference given to students in the Digital Media stream. If your attempt to enrol online is unsuccessful please contact the Architecture Student Administration Centre.</td>
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### Optional units

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<th>C: Corequisites</th>
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<td>DESC9117 Sound Design for New Media</td>
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<td>DESC9125 Digital Video Design and Production</td>
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<td>DESC9155 Visual Perception and Digital Imaging</td>
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<td>P DESC9091 Digital Media Production</td>
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<td>DESC9156 Digital Compositing and Visual Effects</td>
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<td>DESC9176 Creative Systems</td>
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<tr>
<td>DESC9177 Computer Supported Collaborative Design</td>
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<tr>
<td>DESC9178 Computer Integrated Design</td>
<td>6</td>
<td>A Any computer-aided design platform (e.g. AutoCAD, ArchiCAD, Microstation)</td>
<td>N DESC9096, DECO1007</td>
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<td>DESC9179 Ambient Visualisation with Devices</td>
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<td>DESC9180 Designing Virtual Worlds</td>
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<td>DESC9181 Immersive Design Spaces</td>
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### Facilities Management Stream

#### Core units

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<th>Credit points</th>
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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
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<td>DESC9047 Strategic Facility Management</td>
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<td>DESC9048 Operational Facility Management</td>
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<td>DESC9049 Financial and Managerial Accounting</td>
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<tr>
<td>DESC9071 Organisational Analysis and Behaviour</td>
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<tr>
<td>DESC9074 Project and Contract Management</td>
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<tr>
<td>DESC9183 Risk Management</td>
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#### Optional units

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<td>ARCH9026 Development Finance</td>
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<td>ARCH9028 Conservation Methods and Practices</td>
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<td>DESC9014 Building Construction Technology</td>
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<td>DESC9111 Energy Management in Buildings</td>
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<td>DESC9112 Service Provision</td>
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<td>DESC9113 Computer Aided Facility Management</td>
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<td>A DESC9047 and DESC9048</td>
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<td>S2 Intensive</td>
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<tr>
<td>DESC9151 Introduction to Building Services</td>
<td>6</td>
<td>N DESC2101, ARCH5202</td>
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<tr>
<td>DESC9170 Services Control Systems</td>
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<tr>
<td>DESC9172 Building Asset Management</td>
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<td>PLAN9061 Planning Procedures</td>
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### Illumination Design Stream

#### Core units

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<th>C: Corequisites</th>
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<tr>
<td>DESC9164 Light Sources and Luminaires</td>
<td>6</td>
<td>P DESC (9072 or 9166)</td>
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<td>DESC9165 Lighting Design</td>
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<td>DESC9166 Photo &amp; Colorimetric Concepts &amp; Mensuration</td>
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<tr>
<td>DESC9167 Vision and Visual Perception</td>
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<tr>
<td>DESC9168 The Visual Field and Human Factors</td>
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<td>P DESC (9065 or 9167)</td>
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<td>DESC9169 Daylight in Buildings</td>
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#### Optional units

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<th>Session</th>
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<tr>
<td>DESC9019 3D Computer Graphics Concepts</td>
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<td>N DECO1008, DECO2103</td>
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<tr>
<td>DESC9040 Electrical Services</td>
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<td>DESC9049 Financial and Managerial Accounting</td>
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<tr>
<td>DESC9074 Project and Contract Management</td>
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<tr>
<td>DESC9111 Energy Management in Buildings</td>
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<td>S2 Intensive</td>
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<tr>
<td>DESC9151 Introduction to Building Services</td>
<td>6</td>
<td>N DESC2101, ARCH5202</td>
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<tr>
<td>DESC9152 Lighting Design Masterclass</td>
<td>6</td>
<td>A Lighting design fundamentals. Note: Department permission required for enrolment. This unit of study is offered in even numbered years only.</td>
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<tr>
<td>DESC9153 Graduate Internship</td>
<td>6</td>
<td>A Sufficient coursework to undertake guided professional work. Note: Department permission required for enrolment. Masters students only. Graduate Diploma students with permission of the Program Coordinator.</td>
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<td>Semester 1/Semester 2</td>
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<tr>
<td>DESC9154 Lighting Design Software</td>
<td>6</td>
<td>A Lighting design fundamentals.</td>
<td>P 24 credit points</td>
<td>Graduate Diploma or Masters only. This unit of study is offered in even numbered years only.</td>
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<tr>
<td>DESC9160 Lighting Photography</td>
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<td>This unit of study is offered in odd numbered years only. Available to Graduate Diploma and Masters students only.</td>
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<tr>
<td>DESC9161 Theatre and Performance Lighting</td>
<td>6</td>
<td>A fundamentals of lighting. Note: Department permission required for enrolment. This unit of study is offered in odd numbered years only. Available to Graduate Diploma and Masters students only.</td>
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<tr>
<td>DESC9170 Services Control Systems</td>
<td>6</td>
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### Sustainable Design Stream

#### Core units

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<th>Credit Points</th>
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<tr>
<td>DESC9145 Sustaining the Built Environment</td>
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<td>DESC9146 Climate, Comfort and Sustainable Design</td>
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<td>DESC9147 Sustainable Building Design Principles</td>
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<tr>
<td>DESC9148 Sustainable Building Design Practice</td>
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#### Optional units

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<th>P: Prerequisites</th>
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<tr>
<td>DESC9015 Building Energy Analysis</td>
<td>6</td>
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<td>DESC9111 Energy Management in Buildings</td>
<td>6</td>
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### Unit of study

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<tr>
<th>Credit points</th>
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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>DESC9149 Sustainable Design Workshop</td>
<td>6</td>
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<tr>
<td>DESC9150 Sustainability Research Project</td>
<td>6</td>
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<td>Semester 1, Semester 2</td>
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<tr>
<td>DESC9151 Introduction to Building Services</td>
<td>6</td>
<td>N DESC2101, ARCH5202</td>
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<td>S1 Late Int</td>
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<tr>
<td>DESC9155 Lighting Design</td>
<td>12</td>
<td>N DESC9064</td>
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<td>Semester 1, Semester 2</td>
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<tr>
<td>DESC9169 Daylight in Buildings</td>
<td>6</td>
<td>N DESC9106</td>
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<tr>
<td>PLAN9048 Environmental Design and Planning</td>
<td>6</td>
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### Certificate, Diploma and Master of Heritage Conservation

#### Core units

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<tr>
<th>Credit points</th>
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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>ARCH9028 Conservation Methods and Practices</td>
<td>12</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9074 History and Theory of Conservation</td>
<td>6</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9075 New Design in Old Settings</td>
<td>6</td>
<td>A None to enrol in the unit. Students who take the studio stream will need to be a graduate in Architecture or other design-related degree.</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>PLAN9061 Planning Procedures</td>
<td>6</td>
<td>N PLAN9020, PLAN9044</td>
<td></td>
<td></td>
<td>S1 Intensive, S2 Intensive</td>
</tr>
<tr>
<td>DESC9153 Graduate Internship</td>
<td>6</td>
<td>A Sufficient coursework to undertake guided professional work</td>
<td>Note: Department permission required for enrolment</td>
<td>Masters students only, Graduate Diploma students with permission of the Program Coordinator.</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>ARCH9031 Research Report</td>
<td>12</td>
<td>Note: Department permission required for enrolment</td>
<td>Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. Available to Masters students only.</td>
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<td>Semester 1, Semester 2</td>
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#### Optional units

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<tr>
<th>Credit points</th>
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<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9068 Trad Bldg and Conservation of Materials</td>
<td>6</td>
<td>N May not be counted with ARCH 9015.</td>
<td>This unit of study is offered in even numbered years only.</td>
<td></td>
<td>Semester 1, Semester 2</td>
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<tr>
<td>ARCH9069 Conservation of Finishes</td>
<td>6</td>
<td>N ARCH9016</td>
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<td>Semester 2</td>
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<tr>
<td>ARCH9070 Aesthetic Assessment-Heritage Landscapes</td>
<td>6</td>
<td>N ARCH9019</td>
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<td>Semester 2</td>
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<tr>
<td>ARCH9076 Heritage Documentation Methods</td>
<td>6</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>PLAN9062 Planning Law</td>
<td>6</td>
<td>C PLAN9020 or PLAN9061</td>
<td>N PLAN9021</td>
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<td>Semester 1, Semester 2</td>
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### Certificate, Diploma and Master of Urban Design

#### Without specialisation

#### Core units

<table>
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<tr>
<th>Credit points</th>
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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>ARCH9001 Urban Design Studio A</td>
<td>12</td>
<td>Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MArch(Arch &amp; UrbDes) or M urbDes(UrbDes &amp; Plan). It is recommended that the unit Urban Design - Ideas and Methods or Urban Morphology, is taken either before or concurrently with this studio.</td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>ARCH9062 Urban Design - Ideas and Methods</td>
<td>6</td>
<td>A Some prior study of architectural, urban or planning history.</td>
<td>N ARCH9022</td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>PLAN9065 Urban Environment</td>
<td>6</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9002 Urban Design Studio B</td>
<td>12</td>
<td>P ARCH9001</td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>ARCH9063 Urban Morphology</td>
<td>6</td>
<td>A Some prior study of architectural, urban or planning history.</td>
<td>N ARCH9021</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>Unit of study</td>
<td>Credit points</td>
<td>A: Assumed knowledge</td>
<td>P: Prerequisites</td>
<td>C: Corequisites</td>
<td>N: Prohibition</td>
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</tr>
<tr>
<td>ARCH9060 Urban Design Report</td>
<td>12</td>
<td>P 48 credit points including ARCH9001</td>
<td>N ARCH9031, ARCH9045, ARCH9046, PLAN9010, PLAN9011, PLAN9018</td>
<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. This unit is for Masters students in an Urban Design stream only.</td>
<td>Semester 2</td>
</tr>
<tr>
<td></td>
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</table>

**Urban Design and Planning Stream**

These units are for the 96 credit point Master of Urban Design(Urban Design & Planning). Students who want PIA accreditation should also include PLAN9018 Planning Report, in their final semester.

**Core units**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>ARCH9001 Urban Design Studio A</td>
<td>12</td>
<td>A Some prior study of architectural, urban or planning history.</td>
<td>N ARCH9022</td>
<td></td>
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<td>Semester 1</td>
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<tr>
<td>ARCH9002 Urban Design Studio B</td>
<td>12</td>
<td>P ARCH9001</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH9062 Urban Design - Ideas and Methods</td>
<td>6</td>
<td>A Some prior study of architectural, urban or planning history.</td>
<td>N ARCH9021</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>PLAN9061 Planning Procedures</td>
<td>6</td>
<td>N PLAN9020, PLAN9044</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. Permission required in Semester One unless enrolled in Urban and Regional Planning.</td>
<td>S1 Intensive S2 Intensive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLAN9062 Planning Law</td>
<td>6</td>
<td>C PLAN9020 or PLAN9061</td>
<td></td>
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<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>PLAN9063 Foundations of Environmental Planning</td>
<td>6</td>
<td>N PLAN9027</td>
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<tr>
<td>PLAN9055 Urban Environment</td>
<td>6</td>
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<tr>
<td>PLAN9058 History and Theory in Urban Planning</td>
<td>6</td>
<td>N PLAN9031</td>
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<td>Semester 1</td>
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<tr>
<td>PLAN9069 Urban Design and Development Control</td>
<td>6</td>
<td>N PLAN9051</td>
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<td>Semester 1</td>
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<tr>
<td>PLAN9064 Land Use and Infrastructure Planning</td>
<td>6</td>
<td>N PLAN9028</td>
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<td>Semester 2</td>
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</table>

**Certificate, Diploma and Master of Urban and Regional Planning**

All Master degree candidates are required to complete either a Report or Dissertation. Candidates of sufficient merit, who complete the Dissertation, will qualify for the award of the degree with Honours.

**All streams**

**Core units**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
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<th>Session</th>
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<tbody>
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<td>PLAN9061 Planning Procedures</td>
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<td>N PLAN9025, PLAN9044</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. Permission required in Semester One unless enrolled in Urban and Regional Planning.</td>
<td>S1 Intensive S2 Intensive</td>
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<tr>
<td>PLAN9063 Foundations of Environmental Planning</td>
<td>6</td>
<td>N PLAN9027</td>
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<td></td>
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<td>Semester 1</td>
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<tr>
<td>PLAN9068 History and Theory in Urban Planning</td>
<td>6</td>
<td>N PLAN9031</td>
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<td>Semester 1</td>
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<tr>
<td>PLAN9069 Urban Design and Development Control</td>
<td>6</td>
<td>N PLAN9051</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>PLAN9062 Planning Law</td>
<td>6</td>
<td>C PLAN9020 or PLAN9061</td>
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<tr>
<td>PLAN9064 Land Use and Infrastructure Planning</td>
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<td>N PLAN9028</td>
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<td>Semester 2</td>
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<tr>
<td>PLAN9018 Planning Report</td>
<td>12</td>
<td>P 48 credit points</td>
<td>N ARCH9031, ARCH9060, ARCH9045, ARCH9046, PLAN9010, PLAN9011</td>
<td>Note: Department permission required for enrolment Submit an Independent Study Approval form, signed by your proposed supervisor, with your request to enrol. This unit is for Masters of Urban &amp; Regional Planning students only. MURP students taking the Urban Design stream should enrol in ARCH9060 Urban Design Report.</td>
<td>Semester 2</td>
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### Unit of study

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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>PLAN9010 Planning Dissertation 1</td>
<td>12</td>
<td>P WAM of at least 75 and 48 credit points being the core requirements for the MURP. N PLAN9018, ARCH9031, ARCH9045, ARCH9046, ARCH9060 Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. This unit is for Masters of Urban &amp; Regional Planning students only. It MUST be taken in conjunction with PLAN9011 Planning Dissertation 2, either in the same or following semester.</td>
<td></td>
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<td>Semester 1</td>
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<tr>
<td>PLAN9011 Planning Dissertation 2</td>
<td>12</td>
<td>P WAM of at least 75 and 48 credit points being the core requirements for the MURP C PLAN9010 This unit is for Masters of Urban &amp; Regional Planning students only. It MUST be taken in conjunction with PLAN9010 Planning Dissertation 1, either in the same or following semester.</td>
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#### Without specialisation

**Elective units**

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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>PLAN9045 Economic Tools and Community Development</td>
<td>6</td>
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<tr>
<td>PLAN9048 Environmental Design and Planning</td>
<td>6</td>
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<td>S2 Late Int</td>
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<tr>
<td>PLAN9049 Development Project Planning and Design</td>
<td>6</td>
<td>This unit is offered in odd numbered years only.</td>
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<td>S1 Late Int</td>
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<tr>
<td>PLAN9055 Urban Environment</td>
<td>6</td>
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<td>Semester 1</td>
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<tr>
<td>PLAN9056 International Planning Field Laboratory</td>
<td>6</td>
<td>A PLAN9049 Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>S1 Late Int</td>
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<tr>
<td>PLAN9057 Metropolitan Planning</td>
<td>6</td>
<td>P PLAN (9027 and 9028) or PLAN (9063 and 9064)</td>
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<td>S2 Intensive</td>
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#### Heritage Conservation Stream

**Optional units**

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<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>ARCH9028 Conservation Methods and Practices</td>
<td>12</td>
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<td>Semester 1</td>
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<tr>
<td>ARCH9074 History and Theory of Conservation</td>
<td>6</td>
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#### Housing Studies Stream

**Optional units**

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<th>Credit points</th>
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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>ARCH9055 Housing Cultural Studies</td>
<td>6</td>
<td>N ARCH 9006.</td>
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<td>Semester 1</td>
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<td>ARCH9056 Housing Policy and Assistance</td>
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<tr>
<td>ARCH9057 Housing &amp; Urban &amp; Regional Development</td>
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<tr>
<td>PLAN9050 Housing for Health (Advanced)</td>
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#### Urban Design Stream

**Optional units**

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<th>Credit points</th>
<th>A: Assumed knowledge</th>
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<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9001 Urban Design Studio A</td>
<td>12</td>
<td></td>
<td>Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MArch(Arch &amp; UrbDes) or MURBDes(UrbDes &amp; Plan). It is recommended that the unit Urban Design - Ideas and Methods or Urban Morphology, is taken either before or concurrently with this studio.</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9062 Urban Design - Ideas and Methods</td>
<td>6</td>
<td>A Some prior study of architectural, urban or planning history. N ARCH9022</td>
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<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9063 Urban Morphology</td>
<td>6</td>
<td>A Some prior study of architectural, urban or planning history. N ARCH9021</td>
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<td>Semester 2</td>
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</tbody>
</table>
15. Graduate coursework degrees
16. Postgraduate unit descriptions

About this chapter
This chapter lists the descriptions of all postgraduate units of study offered by the Faculty of Architecture, in unit of study code order. For information about how these units of study fit into your specific degree structure please refer to Table G.

You should pay special attention to any enrolment information and instructions. For a full explanation of some of the terms you will encounter in this list please see the glossary at the rear of the handbook.

Unit of study descriptions

ARCF9001
Modes of Inquiry: Research & Scholarship
Credit points: 6 Teacher/Coordinator: Prof. Gary Moore Session: Semester 1, Semester 2 Classes: 6 hours per week seminars and presentations
Assessment: Assessment is based on (1) evidence of having done and understood the readings as evidenced by critical contributions to class discussions, and (2) a preliminary research proposal between 2500-3000 words and no more than 15 pages. (Final research proposals for partial satisfaction of probationary requirements will remain the responsibility of the student in association with your Supervisor.) In assessing submissions, attention will be placed on evidence of development in four areas: (1) grasp of the subject matter of different modes of inquiry, research approaches and research methods, (2) the organisation of knowledge about research and scholarship, (3) ability to critically evaluate methods used in studies and (4) original thinking regarding appropriate modes of inquiry and research methodology for the research problems and questions under investigation. All submissions are to conform to the style and format of the Publication Manual of the APA (latest ed.) or equivalent style guide in the discipline of the student. The unit is pass/fail only.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission required unless enrolled in a research degree. Required unit for MPhil and PhD students in the Faculty of Architecture. It must be taken at the first opportunity.

The unit is a seminar with mini-lectures, presentations by members of the academic staff about research and scholarship methods in which they are most expert, critical review of readings, and discussions based on the seminar material, readings and research pre-proposals.

The purposes of this seminar are (1) to provide students with an understanding of different modes of inquiry and different ways of conducting research and scholarship relevant to the disciplines of the Faculty, which fall into three clusters computationally based methods, text-based methods and field-based methods and include quantitative and qualitative approaches, scientific and post-modern approaches, and exploratory, confirmatory and developmental research. Specific methods explored will include experimental, laboratory and a variety of quasi-experimental, survey and ethnographic research approaches, text-, historical and archival-based scholarship, and computational axiom-, conjecture- and simulation-based approaches. Other purposes are (2) to introduce students to a range of practical skills for planning and conducting research and scholarship, and (3) to sharpen critical skills for reading, evaluating and interpreting research and scholarship.

Upon successfully completing the seminar, students are expected to have an understanding of the range of modes of inquiry and methods of research and scholarship used across the disciplines associated with this Faculty. Readings from texts and other major readings will supplement the unit.

ARCF9002
Nature of Theory
Credit points: 6 Teacher/Coordinator: Professors Gary Moore, Edward Blakely and staff Session: Semester 2 Classes: 2-3 hour seminar per week, plus ca 6-9 hours of student-directed work per week.
Assessment: There will be one to two submissions (negotiable with each student to assure that the writing is appropriate to and useful for the stage you are in of your research), e.g. a paper exploring the theoretical roots of the discipline in which the student is working, a paper critiquing one or more of the major theoretical directions that shapes the direction in the discipline of the student or the relevant major seminars, or theory for your proposal or chapter(s) for your final thesis or dissertation. Assessment will be based equally on understanding of the readings and seminars as evidenced by class contributions, and the written submission. Topics are to be approved ahead of time. Papers are to conform to the style and format of the Publication Manual of the APA (latest ed.). MLA Style Guide, or equivalent style guide in the discipline of the student. Major readings will be drawn from major theoretical texts in the field, as well as from others suggested by visiting lecturers and/or students. Students are expected to complete the unit without an incomplete and to have at least a credit grade.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission required unless enrolled in a research degree. Required unit for MPhil and PhD students in the EBS or URPPIP disciplines.

The purposes of this seminar are (1) to show research students how to trace the intellectual roots of their discipline and find the relevant theoretical literature in their field so that they can build their research thesis or dissertation on strong theoretical grounds, and (2) to provide research students with an understanding of the different theoretical perspectives and their philosophical presuppositions that underlie research in the disciplines covered by the Faculty (e.g., initially but not limited to environment behaviour and society, and urban and regional planning and policy). The seminar will examine a number of different ways of conceptualising theory, and their philosophical presuppositions, and will look at a range of ‘paradigms’ and specific conceptions. It will also explore for your proposal or chapter(s) for your final thesis or specific theories pertinent to research in the disciplines of the Faculty.

In the first years of offering, the focus will be on empirical social-science oriented field-based research, i.e., research with a social empirical field component. The range of theoretical perspectives will include but not be limited to positivism, modernity and postmodernity, interactionalism, transactionalism and phenomenology, complex systems theory and chaos theory, and particular theories representative of each perspective. The seminar will also examine the philosophical nature of theory, the history and philosophy of science of theory, similarities and differences between explanatory and prescriptive theories and strategies for theory development, and will ask the question whether it is possible to have theories that are both explanatory that contribute to knowledge and normative that contribute towards policy, planning or design. The primary objective is to enable research students to understand the theoretical roots of their discipline, to appreciate the similarities and differences between different theoretical stances to research appropriate in this Faculty, to examine the applicability of current theoretical directions and particular theories to architectural, environmental, and urban policy, planning, consulting and design, and to be prepared to use and develop specific theories in their own research work. Upon successful completion of this unit, students are expected to have a critical understanding of the range of theoretic perspectives in use and capable of being in use across the disciplines associated with this Faculty and a deep critical understanding of the theoretical perspectives and particular theories appropriate for their own research.

ARCH9001
Urban Design Studio A
Credit points: 12 Teacher/Coordinator: Mr Barrie Shelton Session: Semester 1, Semester 2 Classes: Studio work, presentations and critiques
Assessment: Design and design-related projects and assignments, 100%. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MArch(Eng & UrbDes) or MArch(UrbDes)
The aims of this unit are to develop practical skills in the methods and practices of conservation at an accepted professional level, and to interpret and apply the theory of practice taught in the mandatory core of the course, in practical, on-site projects. The unit focuses on culturally significant structures and cultural landscapes and includes: methods of survey and documentation (locating, describing and recording components with possible heritage value; identifying and reading historic fabric; historic and archival research methods; thematic history methods; pattern recognition; natural systems; settlements; cultural mapping; aesthetic analysis; material and stylistic analysis); evaluation methodology (assigning heritage significance); assessment methodology (establishing conservation priorities); and appropriate conservation actions (conservation and management plans, policies and strategies). At the end of the unit the student will successfully demonstrate: an understanding of the Australia ICOMOS Burra Charter and the ability to prepare, in accordance with current accepted professional practice, a conservation plan of a place or places of cultural significance; skill in methods and techniques of analysis, assessment and documentation of cultural significance; and the ability to develop relevant policies and strategies for the conservation of a variety places of cultural significance. The intended outcomes are achieved through inquiry, individual study and research and are demonstrated by each student upon the successful completion of set assignments. The assignments are constructed to allow each student to demonstrate his or her level of understanding of the accepted professional methodology and practice in the preparation and presentation of a conservation plan. Assessment criteria based on unit outcomes are used for the examination of the assignments.

ARCH9031 Research Report
Credit points: 12 Teacher/Coordinator: Discuss with your program coordinator. Each student must have an academic supervisor for the research report. Session: Semester 1, Semester 2 Classes: Independent research under academic supervision. Assessment: 10000 to 15000 word report (90 per cent), research proposal (10 per cent). Final reports due by the end of the first week of the formal examination period. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. Available to Masters students only.

The report is a substantial piece of research conducted over one semester. It takes the form of report (between 10000 and 15000 words) on an approved subject of your choice. The report is an opportunity to advance your knowledge and skills in a particular area. The objective of the report is to allow you to develop research and analytic skills by undertaking an in depth study of your own selection. The expected learning outcomes of the report include the ability to think critically about a problem and develop an appropriate research methodology or analytical approach to address it; identify and access appropriate sources of information, research and literature relevant to the issues; undertake relevant primary and secondary research;
and present your findings in a way that demonstrates academic and professional competence. A report generally includes a literature review to delineate a problem; a statement of research aims or objectives, as well as research questions; an explanation of research methods: presentation and analysis of data; and discussion of conclusions. Permission to continue the Report may be subject to a satisfactory research proposal being approved by your supervisor by week 3 of semester. Reports are due at the end of the first week of exams for the semester in which you are enrolled. The assessment is based solely on the submission of your report. The report is generally marked by two examiners, neither of whom is your supervisor.

ARCH9039
General Elective 1
Credit points: 6 Session: Semester 1, Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor’s expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9040
General Elective 2
Credit points: 6 Session: Semester 1, Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor’s expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9041
General Elective 3
Credit points: 4 Session: Semester 1, Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor’s expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9042
General Elective 4
Credit points: 4 Session: Semester 1, Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor’s expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9043
General Elective 5
Credit points: 2 Session: Semester 1, Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor’s expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9044
General Elective 6
Credit points: 2 Session: Semester 1, Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor’s expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit
of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9045
Dissertation 1
Credit points: 12 Teacher/Coordinator: An academic supervisor is required. Discuss with your program coordinator. Session: Semester 1, Semester 2 Classes: Research under academic supervision. Prerequisites: 72 credit points and a WAM of at least 75 Corequisites: ARCH9046. Prohibitions: ARCH9031, ARCH9060, PLAN9010, PLAN9011, PLAN9016 Assessment: 15000 to 25000 word dissertation. Mode of delivery: Normal (lecture/lab/tutorial) Day.
Note: Department permission required for enrolment.
Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

ARCH9045 and ARCH9046 Dissertation 1 and 2 are only available to candidates for the masters degree with honours, with permission from an appropriate supervisor. Planning students should take PLAN9010 and PLAN9011 Planning Dissertations 1 and 2. Students enrol either full time over one semester (ARCH9045 and ARCH9046) or part time over two semesters (ARCH9045 then ARCH9046). The units are not assessed separately - a single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. Students and their supervisors should complete an Independent Study Approval form and return it to the Student Administration Centre to effect enrolment. The aim of the dissertation is twofold: to train the student in how to undertake advanced study. The student should learn how to examine published and unpublished data, survey and experimental results, set objectives, organise a program of work, analyse information, evaluate this in relation to existing knowledge and document the work; and to allow the student to pursue an area of interest in greater depth than is possible in coursework or to investigate an area of interest which is not covered in coursework. The dissertation will normally involve a critical review of published material in a specified subject area, but it may also be an experimental or theoretical investigation, a feasibility study, a case study, a computer program, or other work demonstrating the student's analytical ability. The dissertation should be 15000 to 25000 words in length. The dissertation should contain a literature review, a research methodology, analysis of data, a discussion of results and conclusions. The dissertation will be judged on the extent and quality of the student's work, and in particular on how critical, perceptive and constructive the student has been in assessing his or her own work and that of others. Three typed A4 sized copies of the dissertation are required to be presented for examination. These may be in either temporary or permanent binding. If in temporary binding they must be able to withstand ordinary handling and postage. The preferred method is "perfect binding"; spring back, ring back or spiral binding is not permitted. Students are required to submit one copy in permanent binding on acid free paper for the library, including any emendations recommended by the examiners. For more detail see the requirements for the PhD thesis in the Postgraduate Research Studies Handbook. Dissertations are due at the end of the first week of exams for the semester in which you are enrolled for Dissertation 2. The assessment is based solely on the submission of your dissertation. The dissertation is generally marked by two examiners. A result of 75 is required for the award of the honours degree. Students with a result lower than 75 will be awarded the pass degree.

ARCH9048
History of Modern Architecture Theories
Credit points: 6 Session: Semester 1 Classes: Lectures Assessment: One essay exploring one of the three mentioned expected outcomes. Mode of delivery: Normal (lecture/lab/tutorial) Day.

The objectives of this unit are to explore and critically evaluate the theoretical dimension of architectural historiography and understand history as a work of interpretation rather than a series of facts. This seminar attempts to explore theories of contemporary architectural history. The aim is to re-read and historically contextualise histories of modern architecture. The seminar deals with a set of texts that propose historical interpretations of architecture almost contemporaneous with those texts, recording the shift of meaning in the relationship between architecture and its history from 1950 to the present. At the conclusion of the unit students will be equipped with the following: an in-depth awareness of diverse approaches to architectural history; an understanding of history as a multi-dimensional text; and a historical understanding of the differences between text and building.

ARCH9049
Contemporary Architectural Theories
Credit points: 6 Session: Semester 2 Classes: Lect 2hrs/wk Mode of delivery: Normal (lecture/lab/tutorial) Day

The objectives of this unit are to examine the various historical developments that initiated the idea of autonomy in architecture and to explore the ways architects have entertained 'autonomy' in their theories. The content of the unit explores the theme of autonomy in
contemporary theories of architecture. Since the 18th century and apropos of what is called the French Revolutionary Architects, architecture had the chance, though for a short period of time, to have the pleasure of entertaining its autonomy from the classical wisdom. Though in more than one way architecture soon had to confront the imperatives of the capitalist cycle of production and consumption, nevertheless, architects have attempted to dwell on the notion of autonomy even by plunging into interdisciplinary issues or critically reflecting on ideas endemic for modern architecture. At the conclusion of this unit students will gain an in depth knowledge of the following: a historical awareness of the themes endemic for modern architectural theories; the importance of aesthetic theories for architecture; the relationship between history and theory; and the genesis of the historical avant-garde in architectural theories.

**ARCH9051 Urban Design: The Impact of Modernisation**

**This unit of study is not available in 2007**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Peter Armstrong and Mr Barrie Shelton  
**Classes:** Lectures.  
**Assessment:** Assessment will take the form of an analysis of the processes of development of a city that experienced substantial growth in the 19th and 20th centuries. The analysis may be in written or graphic form.  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** Department permission required for enrolment.

**<head6>Objectives** Representative examples in Europe, America and Asia are examined, revealing the progress from the disintegration and destruction of traditional urban form and space in the initial phases of the Revolution to the multiple approaches to the reconstitution of society and space from the middle of the 19th century onwards. The underlying causes of the differing philosophies and approaches to the solution of the political, environmental and social problems are examined in the light of the then current differing social and cultural influences.

**<head6>Content** The unit examines the development of concepts of urban design from the onset of the Industrial Revolution until the late twentieth century. Following the social upheavals and rapid disintegration of urban form and society under the unprecedented growth in technology, production and population, the variety of attempts to come to terms with the demands of the 19th century are traced.

**<head6>Outcomes** Specific areas of study include Haussmann's restructuring of Paris, utopian schemes from Fourier to the beginnings of European settlement in Sydney. A written assignment is required at this stage in which the student assesses the future of housing with reference to the present and past. For overseas students this may be a comparative study resourced with additional seminars.

**<head6>Outcomes** - To develop a sense of the historical context of Australian housing and how this affects future housing provisions (Assignment topic); - To understand the implications of house form from various world cultures in multi-cultural societies; and - To explore the 'meaning of home' from a cultural viewpoint and express the findings in both social housing and home ownership (assignment topic).

**ARCH9052 Graduate Architectural Design 1**

**Credit points:** 12  
**Teacher/Coordinator:** Prof Tom Heneghan  
**Session:** Semester 1, Semester 2  
**Classes:** Design studio.  
**Assessment:** Assessment will be based on drawings and models that will comprehensively explore the design concept and its architectural implementation for the final project.  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** Permission of coordinator required unless enrolled in the Graduate Certificate, Diploma or Master in Architecture (Architectural Design) or MArch(Arch&UrbDes).

The objectives of this unit are to investigate formal/spatial dimensions of a hybrid building; to interpret program as a conceptual paradigm; and to investigate the impact of architecture on the fabric of the city. This design studio attempts to explore design issues involved in a large-scale multi-purpose project in the metropolitan area of Sydney. The studio will focus on the tectonic interpretation of a given program and site and their impact on architectural space. Students will be equipped with the following: the typological and morphological issues concerning the relationship between architecture and the city; spatial flux running through public, semi-public and private spaces; and spatial and formal visibility of architecture in the city.

**ARCH9053 Graduate Architectural Design 2**

**Credit points:** 12  
**Teacher/Coordinator:** Prof Tom Heneghan  
**Session:** Semester 1, Semester 2  
**Classes:** Design studio.  
**Prerequisites:** ARCH9052  
**Assessment:** Assessment will vary based on the chosen context (rural/oceanic) and the design objectives shared with the urban design tutor.  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** Permission of coordinator required unless enrolled in the Graduate Certificate, Diploma or Master in Architecture (Architectural Design) or MArch(Arch&UrbDes).

The objectives of this unit are: to explore strategies to counter the periphery of cities; to address the primary of the formation of spatial rather than the formation of objects in the 'edge of a city'; and to provide a vision for a city's future. This design studio is conceived in conjunction with design studios taught in the Graduate Program of Urban Design. The aim is to explore the idea of "Edge of a City". The studio will examine strategies focusing on the boundary between the urban and rural, or the urban and oceanic. Students will be equipped with the following: change in the scope of design as the scale of projects moves towards urban issues; the intrinsic relation bonding the edge of a city to its organisations; strategies to synthesise urban life and urban form based on a given context; and the essentiality of psychological space, program, movement, light quality, and tactility in the strategies presented for a city edge.

**ARCH9055 Housing Cultural Studies**

**This unit of study is not available in 2007**

**Credit points:** 6  
**Teacher/Coordinator:** Mr Colin James.  
**Classes:** Lectures and seminars.  
**Prohibitions:** ARCH 9006.  
**Assessment:** One assignment and one exercise.  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** Department permission required for enrolment.

**<head6>Objectives** By the end of this unit of study a student should:  
- Have a capability of developing reading, writing and referencing skills to support a research question;  
- Understand the many geographical and cultural influences on the provision and form of housing; and - Be able to focus an in-depth analysis on cultural concepts and present findings to colleagues.

**<head6>Outcomes** This course provides a cultural context for comparative housing studies. The first part involves the student in historical and political perspectives of housing in Australia. This commences with a projected national future for housing and then reexplores back in time from the context today to the colonial beginnings of European settlement in Sydney. A written assignment is required at this stage in which the student assesses the future of housing with reference to the present and past. (For overseas students this may be a comparative study resourced with additional seminars.)

**<head6>Outcomes** - To develop a sense of the historical context of Australian housing and how this affects future housing provisions (Assignment topic); - To understand the implications of house form from various world cultures in multi-cultural societies; and - To explore the 'meaning of home' from a cultural viewpoint and express the findings in both social housing and home ownership (assignment topic).

**ARCH9056 Housing Policy and Assistance**

**Credit points:** 6  
**Session:** S1 Intensive  
**Classes:** Lectures and seminars.  
**Assessment:** One assignment and one exercise.  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Prohibitions:** ARCH 9006.  
**Teacher/Coordinator:** Mr Colin James.

The by the end of this unit of study a student should understand the extent and nature of government influences in the housing systems; be familiar with recent history of housing policy in Australia and how it has shaped the Australian housing system; understand a comparative perspective on housing policy approaches using European and regional examples; be able to conduct an analysis of housing assistance measures, including approaches for particular groups - for example housing for indigenous people and communities, housing models for people with support needs; be familiar with recent policy initiatives in social and affordable housing in Australia; and have knowledge of current issues affecting the governance and management of housing services delivery in Australia. This is one of three interrelated units of study on housing issues offered by the Faculty, the others being Housing Cultural Studies and Housing and Urban Regional Development. This unit focuses on the role of governments in housing, especially the provision of housing assistance. The field of housing policy studies is extensive with a
strong interdisciplinary base that provides a variety of theoretical and practical perspectives on housing issues facing professional housing workers, planners and architects working in Australia or abroad. The unit includes a comparative and historical perspectives to increase awareness of differences in housing markets and housing needs, and to promote discussion of alternative approaches to housing policy. The unit will provide opportunities for students to discuss the policy making process and policy choices with practitioners working in different agencies and to analyse the drivers, objective and impacts of recent local housing policy initiatives. The anticipated outcomes of the unit are to provide a conceptual framework for understanding the rationale for, and scope of, government intervention in housing markets; to increase awareness of similarities and differences in international approaches to housing policy and their impacts; to recognise the institutional, political and cultural framework underpinning the development of different national housing policies; and to develop understanding of how housing policy and housing assistance options work and their impacts across different markets and client groups.

ARCH9057
Housing & Urban & Regional Development
Credit points: 6 Session: Semester 2 Classes: Seminars, group work. Prohibitions: ARCH9032 Assessment: Two assignments (50% each) Mode of delivery: Normal (lecture/lab/tutorial) Day

By the end of this unit of study you should understand the basic structure and operation of housing markets, including factors affecting supply and demand for housing; be familiar with important policy objectives for housing within the broader context of sustainable urban or regional development, such as sustainability, affordability and appropriateness of design; understand the relationships between these policy objectives and the land use planning framework; and be able to conduct a basic housing needs assessment and identify appropriate policy or planning strategies to address these needs. This unit introduces you to the key policy and planning issues associated with the “production” and “consumption” of housing. These range from the physical location and sustainable design of new housing, through to the dynamics of the housing market, and the contribution of housing strategies to urban and regional revitalisation. The unit will also develop your skills in designing strategic planning and policy responses to encourage more affordable, appropriate and environmentally sustainable housing outcomes for urban and regional Australia. The unit aims to familiarise you with the basic structure and operation of housing markets, and the Australian housing industry. You will also gain an understanding of the key policy objectives for housing, including environmental sustainability, affordability, and appropriate design; as well as the regulatory framework for implementing these objectives through the land use planning system.

ARCH9058
General Elective 7
Credit points: 6 Session: Semester 1, Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor’s expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9059
General Elective 8
Credit points: 6 Session: Semester 1, Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor’s expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9060
Urban Design Report
Credit points: 12 Teacher/Coordinator: Mr Barrie Shelton Session: Semester 1, Semester 2 Classes: Research under academic supervision Prerequisites: 48 credit points including ARCH9001 Prohibitions: ARCH9051, ARCH9045, ARCH9046, PLAN9010, PLAN9011, PLAN9018 Assessment: Urban design report approx 10000 to 15000 words (100%). Mode of delivery: Normal (lecture/lab/tutorial) Day

The Urban Design Report is a substantial project involving research conducted over one semester. It will usually take the form of an illustrated report (between 10000 and 15000 words) on an approved urban design subject of the student’s choice. The subject may be of a practical bent (e.g. review or preparation of an urban design project) or more theoretical (e.g. review of a conceptual viewpoint), or it may occupy the middle ground (e.g. exploration of a contemporary issue or review/testing of a method). If of a more practical nature, its theoretical underpinning should be explicit. If more theoretical, it should refer to its practical implications. The report is an opportunity to advance knowledge and skills in a particular area of urban design and so develop a “professional edge”. The aim of the Report is to enhance abilities and knowledge essential to the practice of urban design. These include the abilities to: define and address a practical or theoretical urban design problem; conduct such a project in an acceptable investigative manner; think critically about the subject; identify, access and use appropriate and up-to-date information sources, including relevant theory and methods; and present the report, including appropriate illustrations, in a manner that shows both academic and professional competence. The report must demonstrate these features. Permission to continue the Urban Design Report is subject to the approval of a satisfactory research proposal by week 3 of the semester in which the student is enrolled. The Urban Design Report is to be submitted by the end of the first week of the formal examination period for the semester in which the student is enrolled.

ARCH9061
East Asian Arch & Urbanism (Classical)
Credit points: 6 Teacher/Coordinator: Dr Peter Armstrong Session: Semester 1 Prohibitions: DESA2203, ARCH6202 Assessment: Assessment will be a series of analytical studies in drawn and written form. Practical field work: Investigations, field work. Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit provides an introduction to the urban and architectural traditions of East Asia in the pre-industrial era. Beginning with the classical Chinese concept of cosmos, state and society, the unit
examines the development of these concepts and their architectural expression in time and in the context of the cultures of China, Korea and Japan. The development of cities and the full range of building types are traced, with cultural interaction and patterns of influence shown in terms of both architecture and its social context. On successful completion of the unit of study, students will be able to give a clear picture of the philosophical and cultural foundations of urbanism and architecture in the dominant cultures of East Asia; to elucidate the origins and development of urban form from Chinese models in the context of the development of Japanese, Korean & Vietnamese cultural traditions; to provide an understanding of the design and construction principles of the principal building types of the region within the broad context of the Chinese cultural base of architecture and applied arts; to examine and contrast the national characteristics of the major periods of architectural development in each country; and to understand the ongoing influence of building traditions in contemporary culture.

ARCH9062 Urban Design - Ideas and Methods
Credit points: 6 Teacher/Coordinator: Mr Barrie Shelton Session: Semester 1 Classes: Lec 2-3hrs/wk Prohibitions: ARCH9022 Assumed knowledge: Some prior study of architectural, urban or planning history. Assessment: Minor assignment, class presentation and major assignment (report) Mode of delivery: Normal (lecture/lab/tutorial) Day During the first half of the Twentieth Century much of the influential literature on urban design / city planning was geared to the generation of new types of urban structure and building form for the construction of new cities and replacement of worn-out fabric in existing ones. Later decades (particularly the 1960s and 1970s) were more circumspect with the most influential literature exploring the existing structure, form and character of cities as a basis for new design. In the process, the metaphor for the city changed from that of "machine" (to be "engineered") to "text" (to be "read"). Hence, terms such as "language", "legibility", and "meaning" came to the fore in urban design. At the same time there was a drift in sensibility, from the pursuit of "universal" design primers in the 'Eighties which have in turn been challenged by more recent viewpoints. These viewpoints have drawn invariably upon other disciplines for their inspiration, resulting in notions such as "fractal cities" and "quantum city". The unit reviews the content of the period's key works with an emphasis on the methods promoted (or implied) for use in examining city form and generating design concepts. Through the unit students are expected to develop a critical understanding of the key ideas and theories of the last century that have contributed to the designer's understanding of urban spatial structure and built form. They are also expected to gain a working knowledge of associated methods for investigating and interpreting urban form, and generating design solutions. At the conclusion students will demonstrate an understanding of the material by way of illustrated reports, and class presentations and discussions that: summarise the ideas and theories, and explore their origins, influence and application. This is a core theory unit designed primarily to inform the Urban Design Studio units.

ARCH9064 East Asian Arch & Urbanism (Modern) This unit of study is not available in 2007
Credit points: 6 Teacher/Coordinator: Mr Barrie Shelton Prohibitions: ARCH9045 Assessment: Minor assignment, class presentation and major assignment (report) Mode of delivery: Normal (lecture/lab/tutorial) Day The aim of this unit is to provide an introduction to architecture and urbanism in East Asia during the modern era - with an emphasis upon modern Japan from the Meiji period to the present. It explores particularly the relationship between architecture and the city during this period; and the relationship between built form and cultural traditions, design responses to outside influences, and similarities and differences between countries. Work of selected architects is highlighted. An important aim of the unit is to enable participants to be more critical of their own design values and viewpoints as shaped by their own cultures. On successful completion of the program, students will have extended their understanding of the history and theory of architecture and urbanism in the East Asian cultural realm - by way of critical assignments, class discussions and presentations. They will have demonstrated an understanding: - of built forms in the context of regional philosophical and cultural foundations; - of the ongoing influence of design traditions in contemporary built form; - of major themes in the history of architecture and urbanism in modern East Asia, particularly Japan.

ARCH9068 Trad Bldg and Conservation of Materials
Credit points: 6 Teacher/Coordinator: Mr Trevor Howells. Classes: Lectures and site visits Prohibitions: May not be counted with ARCH 9015. Assessment: Assignment (50 %) and seminar: presentation (25%), report (25%). Mode of delivery: Normal (lecture/lab/tutorial) Day Note: This unit of study is offered in even numbered years only.

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of traditional materials. The intended outcomes, achieved through inquiry, individual and group study and research, will be demonstrated by each student upon the successful completion of the set assignments. The unit surveys the knowledge in the field and focuses on the major forms of traditional construction and materials. The assignment has been constructed to allow the student to demonstrate a detailed understanding of a selected material and the methods of its traditional use. Assessment criteria based on unit outcomes are used for the examination of the assignment.

ARCH9069
Conservation of Finishes
Credit points: 6
Teacher/Coordinator: Mr Howells
Session: Semester 2
Classes: Lectures and site visits
Prohibitions: ARCH9016 Assessment: Assignment (50 per cent) and seminar: presentation (25 per cent), report (25 per cent)
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: This unit of study is offered in odd numbered years only.

The unit will develop an understanding of traditional decorative finishes and their conservation, and of the requirements of modern services in historic structures and how they may be appropriately inserted. The unit will consist of the following: conservation of traditional finishes (plasterwork, painted surfaces, stencilling, wallpapers, embossed papers and materials, and other composite materials) and introduction of modern services (including electrical, communication systems, ventilation, hydraulic installations (water, gas and other liquids), mechanical systems (lifts, escalators) and lighting). At the conclusion of the unit the student will successfully demonstrate a detailed knowledge of the appropriate techniques of investigation, methods of conservation of traditional finishes, and an understanding of the needs of various modern services systems and the techniques of insertion of modern services. The intended outcomes, achieved through inquiry, individual and group study and research, will be demonstrated by each student upon the successful completion of the set assignments. The unit surveys the knowledge in the identified fields and focuses on the major forms of traditional finishes and modern services in historic structures. The assignment has been constructed to allow the student to demonstrate a detailed understanding of a selected finish and the methods of its traditional use as well as the techniques for inserting services. Assessment criteria based on unit outcomes are used for the examination of the assignment.

ARCH9070
Aesthetic Assessment-Heritage Landscapes
Credit points: 6
Teacher/Coordinator: Dr Lamb
Session: Semester 2
Classes: Lectures and seminar
Prohibitions: ARCH9019 Assessment: Major project (50%), minor assignments (30%) seminar (20%) and fieldwork.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: This unit of study is offered in odd numbered years only.

This unit will develop skills in the visual and aesthetic assessment of landscapes, and expertise in developing innovative methods for the assessment of the aesthetic qualities of historic landscapes, the commonplace and vernacular. The four main areas considered in this course are principles of environmental perception; levels of aesthetic experience, perception, memory, emotion and affect; the structuring of visual experience; problems with individual difference; traditional methods of assessment: elite, professional and intuitive methods; scenic quality and character; problems with the picturesque; psychophysical and quantitative methods: visual quality assessment and parametric approaches; problems with consensus; and innovative methods of particular relevance to conservation: structural and compositional analysis; the aesthetic interpretation of the past; problems with the aesthetics of ugly heritage, the vernacular and the commonplace. Students will develop skill in the application of methods of assessment of landscapes and be able to demonstrate the acquisition of an understanding, at the intermediate level, of research methods and findings in areas relevant to landscape assessment. Students are assessed by means of seminars which test their knowledge of the literature and techniques of landscape assessment and field assignments which demonstrate their ability to develop methods of assessment of aesthetics which are relevant to the practice of heritage conservation.

ARCH9072
Graduate Architectural Design 3
Credit points: 12
Teacher/Coordinator: Prof Tom Heneghan
Session: Semester 1, Semester 2
Classes: Studio hours
Prerequisites: ARCH9071
Assessment: Assessment will be based on drawings and models that will comprehensively explore the design concept and its architectonic implementation for the final project. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission of coordinator required unless enrolled in the Graduate Certificate, Diploma or Master in Architecture (Architectural Design) or MArch/Arch(UrbDes).

The objectives of this unit are: to investigate formal/spatial dimensions of a hybrid building; to interpret program as a conceptual paradigm; and to investigate the impact of architecture on the fabric of the city. This design studio attempts to explore design issues involved in a large-scale multi-purpose project in the metropolitan area of Sydney. The studio will focus on the tectonic interpretation of a given program and site and their impact on architectural space. Students will be equipped with the following: the typological and morphological issues concerning the relationship between architecture and the city; spatial flux running through public, semi-public and private spaces; and spatial and formal visibility of architecture in the city.

ARCH9073
Architecture Globalisation Urbanisation
Credit points: 6
Teacher/Coordinator: A/Prof Anna Rubbo & Dr Duanfang Lu
Session: Semester 2
Classes: 2 hours per week
Assessment: one 3000 word essay (60%), completing weekly readings and class presentation (25%), and participation in class mini conference (15%)
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit aims to provide a basis for better understanding the processes of globalisation in relation to architecture and urbanisation and its potential to affect people’s lives. It will seek to enhance a more comprehensive global perspective for design professionals, of value at home or abroad. Increasingly architects from global metropolitan centres engage in work or competitions from around the world. Such activity often tends to be associated with major projects in developing countries. This unit will critically examine the phenomenon and processes of globalisation, and look at the ways in which architecture operates in a globalising world. In order to address these issues we will hear from design practices working in emerging global economies, and the ways in which cultural identity is mediated through the processes of globalisation. The concepts of critical regionalism, localisation, post colonialism, and the divided city will be explored in the context of key texts, as well as through the experience of practice. Drawing on diverse disciplinary perspectives, the unit will provide an overview of various theoretical frameworks that have examined the interrelationship between space, society and power in a global context. By introducing topics including cultural habitats, urbanism and urbanisation, tourism and city marketing, the unit aims to enhance your capability to reflect on the values embedded in design and develop your own research agenda on architecture, globalisation and urbanisation. Global trends will also be looked at in relation to the 2000 UN Millennium Declaration adopted by the world’s leaders, and the goals established to reduce poverty, improve health and promote peace human rights and environmental sustainability. Particular attention will be paid to improving the lives of slum dwellers and housing poor people. Attention will also be given to the roles of design and planning professionals, NGOs, community based organisations, local government and the international community. On successful completion of this unit students will have demonstrated: awareness and understanding of the processes of globalisation and urbanisation, and the impact on cities; awareness and understanding of key concepts such as critical regionalism, post colonialism, and the divided city; an awareness of architectural practice in a globalised world through case studies; an enhanced ability to evaluate the consequences of design for human experiences and activities in different societies; an understanding of multidisciplinary analytical tools related to the study of the built environment; and an increased confidence in working with different design situations. This is a core unit for the Architectural History, Theory and Criticism program and optional unit for the Architectural Design program. Contact hours: 2
hours per week. Class preparation: 2.5 hours per week. Assessment preparation: 19 hours per semester.

ARCH9074
History and Theory of Conservation
Credit points: 6 Teacher/Coordinator: Mr Trevor Howells & others Session: Semester 1 Classes: Lectures 2 hrs per week. Assessment: Two written essay assignments each worth 50% of total assessment Mode of delivery: Normal (lecture/lab/tutorial) Day

The purpose of this unit is to help student is the intent to develop an appropriate level of knowledge in the development of the ideas and practices of conservation over an historical perspective from Classical times to the present in the Western and Non-Western context. Particular emphasis will be placed on the theoretical ideas and practices of Sir George Gilbert Scott, John Ruskin, the Arts and Crafts Movement, SPAB in England, Eugene Viollet-le-Duc in France. The study of architectural history will provide a broad survey of the development of Western architecture and garden design from the time of the Ancient Egyptians to the present as well as examining in greater detail the development of Australian Architecture from 1788 till the present time. The principal aims of the unit are to develop students' understanding of the history and theoretical basis of the development if the idea and practice of conservation from Classical times to the present. In addition to this another main aim is to develop an understanding of the historical development of Western traditions of architectural and garden design, as well as to develop a sound intellectual basis for the understanding of the theory and practice of current conservation practice in Australia and beyond. By the end of the unit the student will successfully demonstrate an understanding of the history of the development the idea of conservation through time and in Western and non-Western traditions; an understanding of the development of Western traditions of architecture and garden design; and skills in the applying this knowledge in the assessment of cultural significance in the Australian and international context. Contribution of unit of study to its program: Core for the Heritage Conservation program. Student workload expected: contact hours two per week; class preparation: three hours per week; assessment preparation 40 hours per semester.

ARCH9075
New Design in Old Settings
Credit points: 6 Teacher/Coordinator: Trevor Howells & others Session: Semester 2 Classes: Lectures 2 hours per week. Assumed knowledge: None to enrol in the unit. Students who take the studio stream will need to be a graduate in Architecture or other design-related degree. Assessment: Two written essay assignments each worth 50% of total assessment (for students from a non-architecture background); or one written assignment and one design studio, each 50% of the total assessment (for students from an architecture or design-related background). Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit will cover one of the most fundamental aspects of heritage conservation. Designing infill and new additions to historic buildings and precincts are the common practice of architecture over all time in all cultures. It is critical that all heritage conservation practitioners, irrespective of their disciplinary background and expertise develop skills of assessment of the impact of new heritage significance of existing contexts, visual and spatial literacy in the design of new fabric in old settings. This unit will offer various opportunities to the students who have disciplinary backgrounds. Whilst students with an architectural background will participate in design studios, students from other disciplines will be required to develop a critical ability of assessing appropriateness of new design in the context of the old. The unit will also offer a wide range of examples and approaches from an international perspective. The aim of the unit is to develop an understanding of the history of designing and building new buildings in old settings; to develop an understanding of the major theoretical and practical issues in designing new buildings in old settings; and to develop a critical intellectual ability to assess the appropriateness of the design of new buildings in old settings. By the end of the unit the student will successfully demonstrate: an understanding of appropriate approaches to the design of new buildings in old settings and the conservation issues that arise from such design proposals; an ability to make assessments of the impact of new designs on Heritage Items and Conservation Areas within the context of the NSW Environment and Protection and Heritage Acts; and skills in applying this knowledge in the Australian and international context within the assessment tasks. Contribution of unit of study to its program: core for the Heritage Conservation program. Student workload expected: contact hours two per week; class preparation three hours per week; assessment preparation 40 hours per semester.

ARCH9076
Heritage Documentation Methods
Credit points: 6 Teacher/Coordinator: Mr Trevor Howells & others Session: Semester 2 Classes: Two hours per week. Assessment: Two assignments each worth 50% of total assessment. Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit will allow students to develop and demonstrate accepted professional practice in the recording and documentation of historic buildings, places and gardens by means of methods such as archival drawings and records, measured drawings, photogrammetry, rectified photography, CAD drawings, surveys of physical fabric, 3-D modelling, urban conservation surveys, garden surveys and recording and architectural model-making. The methodologies used will be those of best-practice currently used in the heritage conservation discipline and recommended by Australia ICOMOS, ICCROM and ICAM, the NSW Heritage Branch, NSW Historic Houses Trust and NSW local government practice. The aims of the unit are to develop an understanding of the professionally accepted methods of recording and documenting historic buildings, places and gardens; to develop an understanding of the appropriateness of applying particular methodologies of recording and documentation on a theoretical and practical basis in current best-practice conservation practice; and to develop skills in the recording and documenting historic buildings, places and gardens applicable in Australia and in other cultures. By the end of the unit the student will successfully demonstrate an understanding of appropriate methodologies and techniques of recording and documenting historic buildings, places and gardens; a range of skills and techniques for the recording and documenting historic buildings, places and gardens; and critical skills of judgement in choosing appropriate methodologies and techniques for the recording and documenting historic buildings, places and gardens in a range of given circumstances. Contribution of unit of study to its program: optional in the Heritage Conservation program. Student effort expected: contact hours two per week; class preparation three per week; assessment preparation 10 hours per semester.

DESA9001
Graduate Art Studio (Graphic Design)
Credit points: 6 Session: Semester 1, Semester 2 Classes: 3hrs per week. Practical studio classes, slide lectures. Assessment: Attendance, portfolio of studio exercises, research and final project using digital media and presented in either digital or print form. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers are limited by space and equipment constraints. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. A materials fee applies to some Art Workshops units.

The unit offers a systematic approach to understanding and utilising the processes of designing for visual communications. A series of studio lectures and practical sessions provides students with an introduction to design theory and basic skills for applying the principles of design. The unit addresses the elements of design, page composition and use of typography and image. As research, students will be required to apply weekly studio exercises created with hand-generated media to a specific contemporary design context using digital software. The unit objective is for students to develop an understanding of the basic principles and processes of visual communication which will provide a basis for digital media design. These will be applied to a range of design situations using different graphic techniques and media. The outcomes involve the application of design principles to a range of design situations using hand-generated media. Students apply these exercises to a finished print outcome, using digital processes. The final project submission will demonstrate an understanding of design purpose, suitability and
style in a contemporary context. Students will be asked to evaluate design effectiveness and address the use of new technologies in a specified area of visual communication in a digital media presentation.

DESA9002

Graduate Art Studio (Graphic Design 2)

Credit points: 6; Session: Semester 1; Classes: twelve studio sessions (3 hours each) Prerequisites: DESA9001 Assessment: Attendance, completion of three studio projects, each addressing the application and integration of type and image in a specified design context. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers are limited by space and equipment constraints. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. A materials fee applies to some Art Workshops units.

Students will build on the knowledge and skills gained from completion of Graphic Design I. On completion of Graphic Design 2, students will be able to apply the elements and principles of visual communication in a design context. These include typography, image generation and manipulation, layout and the use of colour and other graphic elements. Students will apply design process in the sending of specific messages to defined audiences to prompt actions. They will be able to demonstrate the application of typefaces and images for print and screen design discuss and evaluate the effectiveness of contemporary design practice and its relationship to design history. The unit offers a systematic approach to understanding and applying design principles in the communication of specified design objectives. There are three studio projects; each project will include a lecture series, a written brief, and the discussion of research methodologies, project specifications and presentation requirements. Emphasis is placed on the juxtaposition of type and manipulated image in different contexts. Students will learn to address issues of suitability, legibility and readability in the dynamic application of type for both print and screen. Students will be required to generate original images based on individual visual research using photography, illustration and other methods. It is anticipated that students will have access to, and be familiar with, digital graphic design programs in order to complete the projects. The outcomes include presentation of three projects, each addressing an understanding of design purpose, suitability and style in a contemporary context. The first project will be designing for print media, the second is screen-based and the third is self-selected, focusing on students' specific area of research. Students will be able to evaluate design effectiveness and address the use of new technologies in visual communication.

DESA9003

Graduate Art Studio (Photography)

Credit points: 6; Session: Semester 1; Semester 2 Classes: Practical studio classes, slide lectures, class discussions, gallery visits, one to one tutor crit sessions. Assessment: Attendance/darkroom practice 15%, test on darkroom practice and techniques 20%, presentation of ideas that reflects upon the relationship of photography to your coursework programme 15%, creative ideas/images 20%, technical skills 20%, presentation of finished work 10%. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers are limited by space and equipment constraints. If your attempt to enrol on-line is refused please apply directly to the Faculty of Architecture for a place. A materials fee applies to some Art Workshops units.

This practical unit aims to give students an understanding of how photography functions as a contemporary visual medium, including it's historical development and it's different applications in such areas as visual arts, architecture, mass media and digital media. Students will gain knowledge of the principles and practice of camera operations and the production of high quality black and white negatives and prints in small studio style classes. Students will begin to think about ways in which the photographs produced in this unit of study can be used in or relate to their coursework program. For example how darkroom based photography relates to digital media or exploring the connections between architecture and photography. This module covers the use of 35mm SLR camera, image composition, use of lighting, film developing, printing photographs and experimental techniques. Photographs of a wide range of subjects such as still lives, land and cityscapes and portraits will be produced. Practical work includes darkroom and studio work and gallery visits. On the successful completion of this unit you will be able to: (1) demonstrate your knowledge of camera operations, film and print developing through darkroom practice and the production of a portfolio of black and white prints; (2) use an understanding of photography practice and theory to inform your decision making in your creative process as well as entering into thoughtful debate; (3) reflect on your art practice through class and tutor crit sessions and from this point realistically evaluate your own work; (4) gain an awareness of how photography theory and practice relates your coursework. Upon completion of this unit of study you will: have a body of knowledge in the field of photography; be able to exercise critical judgement, realistic self evaluation and imaginative thinking as outlined in the aims; be able to apply technical and conceptual skills as appropriate to photographic practice and furthermore develop your ideas about how these skills may be applied to new situations such as in your coursework program; develop the ability to plan and achieve a goal through a self directed final project.

DESC9001

Air-Conditioning Design

Credit points: 6; Session: S2 Intensive Classes: Intensive Prerequisites: DESC9067 Assessment: 5 assignments (20% each) Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in odd numbered years only.

The unit will provide students with skills in the design of air-conditioning systems. The unit extends students' ability to design basic air-conditioning systems for buildings. It covers air-conditioning system selection; design for energy efficiency; quality of indoor air; air distribution; piped services; water treatment; and air-conditioning system components such as fans, coils, filters and heat rejection equipment. Students should gain the ability to make rational system and component selection decisions and to have practised the design of an air-conditioning system through the set of assignment projects. Assignments lead students through the processes of air-conditioning system selection, heat load estimation, and the design of air distribution, refrigerant and heat rejection systems.

DESC9011

Audio Production

Credit points: 6; Teacher/Coordinator: Mr Michael Bates Session: Semester 1 Classes: Lectures and studio work Assessment: A project and accompanying report Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre.

The practice of audio production is a form of constructing discourse, with its own poetics i.e. its own grammar, its own conceptual shorthand, its own languages, and a multiplicity of genre, structures and forms that it sources and references albeit often tacitly or transparently. This unit will look at the current tools and techniques, as well as the underlying strategies, processes and inherent philosophies involved in the various audio production modes. It will compare and contrast broadcast and other media production methods and ideologies including music recording, radio production, sound for picture, and new media, with reference to live sound reinforcement and location recording practices. The unit will examine various sound design philosophies, conventional and 'non-conventional' production models, different definitions by and of producers and provide by way of context a brief history of the impact on production practice by technological change. The producer's role in the process of the creation of meaning will be examined in cultural as well as technical contexts of compositional practices. The unit will encourage debate about and a demystification of current production processes and will aim at developing and extending production techniques towards an individual aesthetic. Students will achieve a basic familiarity and proficiency with: (1) mixing consoles; (2) the fundamentals of multi track recording; (3) digital editing; (4) demonstrate an ability to communicate their ideas, and articulate the reasons for their choices of production methods; and (5) work successfully within a group dynamic. Students are expected to work in groups to produce an audio project in one or more of the following areas: drama, feature, documentary, sound composition, or music recording. They will be
expected to: (1) participate in the workshops; (2) complete any class exercises/constructions requested by their due dates; (3) students will be given additional readings to discuss in classes; (4) students will submit a script, composition or otherwise detailed proposal for recording and postproduction with detailed raison d’être of production values; (6) produce and present on Audio CD a completed project, including documentation, evidence of background research, a commentary on the production and production outcomes, track sheets, mixing notes. It may be an adaptation or original work. Themes will be discussed in class.

DESC9014 Building Construction Technology
Credit points: 6
Teacher/Coordinator: A/Prof Warren Julian
Session: Semester 1
Classes: Lectures Assessment: 4 assignments (20%, 30%, 25%, and 25%)
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit aims to provide students with knowledge of the environment in which professional engineers operate in the building industry; to introduce an understanding of the design and construction of building elements, the fundamentals of heat transfer and effects of external conditions on indoor comfort, and the fundamentals of vertical transportation within buildings; to explore the requirements of the Building Code of Australia (BCA); and to discuss influences on the indoor environment such as services coordination and vibration. Students are provided with an appreciation of building construction technology relevant to the work of the building services engineer. The unit emphasises aspects of the built environment that are of concern to the building services engineer, particularly in the early design stages. It is expected that students will acquire an understanding of requirements of the BCA and statutory regulations; a knowledge of principles for the design and construction of building structural elements; space requirements for the integration of services into the building fabric; and heat transfer through the building skin including solar effects on buildings. Assignments will test students’ understanding of BCA requirements, processes of structural system selection, interaction between the external and internal environments, and principles of vertical transportation.

DESC9015 Building Energy Analysis
Credit points: 6
Teacher/Coordinator: Mr Bruce Forwood
Session: S2
Intensive Classes: Lectures, seminars Assessment: 3 assignments
Mode of delivery: Normal (lecture/lab/tutorial) Day

The aim of the unit is to acquaint students with the range of analytical and design tools available for low energy building design; to provide the opportunity for students to become proficient at using some of these tools. Among the techniques and tools explored are: climate data analysis; graphical and model techniques for solar studies; steady state and dynamic heat flow analysis; simplified methods for sizing passive solar elements; computer models of thermal performance; modelling ventilation; estimating energy consumption. Emphasis is given to tools which assist the design of the building fabric rather than building systems. At the end of the unit it is expected that students will: be aware of the importance of quantitative analysis in the design of low energy buildings; have an understanding of the theoretical basis of a range of analytical techniques; be familiar with the range of techniques available for building energy analysis; be able to apply many of these to design analysis; be familiar with the range of thermal analysis computer software available; and be able to use a software package to analyse the thermal performance of a typical small scale building. All of the assignments are designed to provide students with hands-on experience of each of the analysis tools.

DESC9019 3D Computer Graphics Concepts
Credit points: 6
Teacher/Coordinator: Dr Marc Aurel Schnabel
Session: Semester 1, Semester 2
Classes: Lectures supplemented by tutorials.
Prohibitions: DECO1008, DECO2103
Assessment: Assessment is based on assignments that are intended to develop and demonstrate an understanding of the foundation concepts of 3D computer graphics. Mode of delivery: Normal (lecture/lab/tutorial) Day

The objective of this unit is to serve as an introduction to 3D computer graphics technologies and photo-rendering. It will help students: understand specifications of 3D geometric entities within a sophisticated modelling package; assign colour and texture information to geometric entities; generate complex photorealistic images; develop skills processing images; and develop transferable conceptual skills that apply across different 3D packages and for different contexts such as modeling, animation, games assets, and photorealistic rendering. This unit explores advanced systems of computer graphics in the context of design. A broad range of graphics technologies are considered with emphasis on 3D modelling and photorealism. This unit of study develops conceptual understanding and practical application of these techniques using commercial modelling and rendering packages. At the conclusion of this unit students should be conversant with 3D modelling and photo-rendering terminology and have the ability to produce sophisticated photorealistic images using advanced visualisation systems.

DESC9040 Electrical Services
Credit points: 6
Teacher/Coordinator: A/Prof Warren Julian
Session: S1
Late Int Classes: Lectures Assessment: 4 assignments (25 per cent each)
Mode of delivery: Normal (lecture/lab/tutorial) Day

The aim of this unit is to present basic principles of electricity and magnetism as necessary for an understanding of the application of electrical services in buildings; to introduce students to the applications of these principles to electrical distribution in buildings; to outline the principles of electric motors, transformers and switchboard design; and to introduce elementary principles of illumination and daylighting. An understanding of electrical services is an essential requirement for building services practitioners involved in the design professions and the construction and building management industries. The unit is designed to provide an introduction to these services for recent graduates or diplomates in engineering, architecture or science and for people involved at a professional level in the building industry who do not possess a background in electrical engineering. By the conclusion of the unit it is expected that students will gain basic knowledge of components of the electricity generating and distribution network external to and within buildings; the types and use of cables and enclosures in and around buildings; methods of assessment of loads and cable sizes; principles of operation of transformers and motors and the design of switchboards and earthing, emergency evacuation lighting and early warning information systems; an introduction to the fundamental principles of lighting design for interior and exterior applications; and a basic understanding of data transmission via copper wire and optical fibre. Assignments will test acquired skills in electrical load estimation and the design of simple electrical distribution and artificial and daylight lighting systems.

16. Postgraduate unit descriptions

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Facilities management is a subset of business management. As such, no 'management' can be exercised without first matching the need for resources against the resources available. This necessarily involves the financial and accounting information systems of the organisation, and the 'tools' necessary to extract information in order to make informed decisions. Students will learn how to interpret the standard historical information regarding organisations via the balance sheet, profit and loss statement, and cash flow forecast. Students will gain an appreciation of the underlying assumptions behind these performance measures and will learn how to interpret this information in order to recognise good and poorly performing businesses. Students will also gain an appreciation of accounting as a forward-looking managerial tool for controlling the conduct of an organisation. This will include an understanding of the budgeting process and how it can be utilised to achieve the Facility Management mission. This unit directly corresponds with AFM competencies: AFM 1: manage facilities, improve facility performance; AFM 2: manage facility portfolio; AFM 3: facilitate communication. This unit indirectly corresponds with AFM competencies: AFM 1: manage risk; AFM 2: manage finance, develop strategic facility response.

DESC9049
Financial and Managerial Accounting
Credit points: 6 Teacher/Coordinator: Dr. David Leifer Session: S1 Late Int Classes: Lectures Assessment: Two assignments (50% each) Mode of delivery: Normal (lecture/lab/tutorial) Day

Facilities management is a subset of business management. As such, no 'management' can be exercised without first matching the need for resources against the resources available. This necessarily involves the financial and accounting information systems of the organisation, and the 'tools' necessary to extract information in order to make informed decisions. Students will learn how to interpret the standard historical information regarding organisations via the balance sheet, profit and loss statement, and cash flow forecast. Students will gain an appreciation of the underlying assumptions behind these performance measures and will learn how to interpret this information in order to recognise good and poorly performing businesses. Students will also gain an appreciation of accounting as a forward-looking managerial tool for controlling the conduct of an organisation. This will include an understanding of the budgeting process and how it can be utilised to achieve the Facility Management mission. This unit directly corresponds with AFM competencies: AFM 1: manage facilities, improve facility performance; AFM 2: manage facility portfolio; AFM 3: facilitate communication. This unit indirectly corresponds with AFM competencies: AFM 1: manage risk; AFM 2: manage finance, develop strategic facility response.

DESC9050
Fire Protection Services
This unit of study is not available in 2007
Credit points: 6 Teacher/Coordinator: A/Prof Warren Julian. Classes: Lectures and computer laboratory. Assessment: 5 assignments (20% each). Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: This unit of study is offered in even numbered years only.

<head6>Objectives To provide students with the knowledge and skills to design water-based fire suppression systems and fire detection systems for the more commonly encountered fire risks, and to impart an understanding of the basic principles of fire safety engineering.

<head6>Content Fire safety in large modern buildings depends heavily on fire detection and suppression systems. This unit explores design rules for manual and automatic water-based systems intended to extinguish fires and detection systems designed to give early warning of fire. It also introduces the fundamental principles of fire safety engineering and their application in lieu of prescriptive rules.

<head6>Outcome It is expected that students will complete the unit with sufficient knowledge to be able to design fire hydrant and hose reel, automatic sprinkler and fire detection systems for large buildings and that they will have a broad understanding of the principles of fire safety engineering, sufficient to enable them to consider some of the alternatives to conventional prescriptive design. Assignments will test design skills learned during the progress of the course.

DESC9059
Hydraulic Services
This unit of study is not available in 2007
Credit points: 6 Teacher/Coordinator: A/Prof Warren Julian. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: This unit of study is offered in even numbered years only.

<head6>Content Presents principles, concepts assumptions, rules and regulations required for the analysis and design of hot and cold water supply systems, and stormwater drainage systems, including
Whatever the decisions on in-sourcing or out-sourcing, work facility managers then have to assess the best means of having those willing to endorse to sustain the facilities for which they are responsible. and define the services that are needed, and that their employers are understood in general terms. Initially facility managers must identify and up-dated. Contracts are suppor ted by a large body of la w and produced to ensure that the correct data is collected, stored correctly, and information have evolved and change; organisational management; industrial relations. organisation; the structure of the organisation; the way organisations maintaining a harmonious working environment. Clearly, the facilities relations and human resource management, as they are key to subordinate their own motives to that of the organisation. This unit directly corresponds with AFM competencies AFM 1: manage facilities, improve facility performance; AFM 2: manage facility portfolio; AFM 3: develop strategic facility response, facilitate communication. This unit indirectly corresponds with AFM competencies AFM 1: manage delivery of services, manage risk; AFM 2: manage finance; develop strategic facility response.

The objectives of this unit are to review relevant principles of thermodynamics and fluid mechanics; to introduce students to practical applications of these principles to the processes of heat load estimation and the distribution of fluids as heat transfer media and to the design of simple air conditioning and ventilation systems; to outline elementary principles of noise control in buildings; and to outline the basic principles of water supply, drainage and water-based fire suppression systems in buildings. Mechanical services are an essential component of most modern commercial buildings with a strong influence on other services and the architecture. This unit provides an introduction to these services for recent graduates or diplomates in mechanical engineering and an understanding of fundamental principles and practice for people from backgrounds other than mechanical engineering. Students should acquire skills in estimation of building cooling and heating loads, design of simple air-conditioning systems and the design of piped systems for the circulation of water and refrigerants as heat transfer media. Students should also gain an understanding of the principles of energy and mass transfer underlying mechanical services systems and fundamentals of noise control, water supply and drainage and fire suppression systems. Assignments will test the students' ability to apply knowledge and skills gained in lectures. They include simple applications of thermodynamics and fluid mechanics, estimation of building cooling and heating loads and the design of a piped system for water circulation, a refrigerant transport system and a simple air-conditioning system.

Organisational Analysis and Behaviour

Organisations exist because individuals can achieve far more when they work together than they can singly. However, individuals have to subordniate their own motives to that of the organisation. This unit examines the social science theories that offer explanations allowing organisations to harness the best from the individuals that comprise it. The physical workplace affects individuals, hence organisations. Of great importance to the organisations are the areas of industrial relations and human resource management, as they are key to maintaining a harmonious working environment. Clearly, the facilities manager is part of the team ensure harmony prevails. This unit examines six areas: the individual in an organisation; groups in an organisation; the structure of the organisation; the way organisations evolve and change; organisational management; industrial relations.

Project and Contract Management

The ability to manage depends upon the availability of appropriate information. Collecting, storing, and maintenance of information have resourcing costs. Information needs have to be assessed, and systems produced to ensure that the correct data is collected, stored correctly, and up-dated. Contracts are supported by a large body of law and precedents decided by courts. This body of knowledge needs to be understood in general terms. Initially facility managers must identify and define the services that are needed, and that their employers are willing to endorse to sustain the facilities for which they are responsible. Facility managers then have to assess the best means of having those services Whatever the decisions on in-sourcing or out-sourcing, work

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The objectives of this unit are to develop knowledge of the background of digital media; understand design concepts for digital media; develop an understanding of digital media types and processes; develop an understanding and skills needed to prepare media for integration in different outputs: CD-ROM, the Internet, DVD, etc. This unit of Study provides foundational knowledge and understanding of digital media formats and production. It prepares the student with production skills that will be implemented and integrated in related interactive multimedia design and Website design Units of Study. At the completion of this unit students should have an in-depth understanding and practical experience in the production of digital media for interactive multimedia on CD-ROM and Internet-based applications; the ability to critically assess the resources needed and technical demands required for a digital multimedia project; an understanding of production processes; skills and samples demonstrating basic image, sound and video production.

DESC9092
3D Animation 1
Credit points: 8 Teacher/Coordinator: Roy Malhi Session: Semester 1, Semester 2 Classes: Lectures and tutorials. Prerequisites: DESC9019 Prohibitions: DECC3006 Assessment: assessable class tutorials and stage summaries endpoints of the final project involving design and implementation of animation. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Enrolment numbers are limited by space and equipment constraints. If your attempt to enrol on-line is refused please apply directly to the Faculty of Computing or Digital Media stream.

Conceptually based on traditional 2-dimensional animation, 3D Animation 1 introduces highly sophisticated computer animation workflow and techniques, which are the key to acquiring knowledge and skills in representing motion. 3D Computer Animation is a time based medium that utilises advanced software with an intuitive API to provide the user with tools for creative control on complex forms, characters, lighting, textures, cameras and much more. The process of rendering a consecutive sequence of images within a scene in which relative motion of objects, changes in objects over time, and camera movement, provide the illusion, also referred to as animation. The objective of this unit is to introduce storytelling and keyframe-based animation methods in the framework of the 3-dimensional medium. Students are expected to gain a thorough understanding of the components that are involved in the development and implementation of an animated sequence in a 3-dimensional environment.

DESC9111
Energy Management in Buildings
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: S2 Intensive Classes: 5 days intensive Assessment: Two assignments (50% each) Mode of delivery: Normal (lecture/lab/tutorial) Day

The objectives of this unit are to give students an understanding of energy consumption issues in buildings through both design and through operation and to give students an awareness of energy auditing, and current energy conservation techniques. This unit is primarily concerned with the management and control of electrical power delivered via the grid. We start with the commercial electricity sales environment; the rental of transmission lines, the rental of the Utility company's infrastructure, the Non-Fossil Fuel Obligation, and Tariff structures. We will concentrate on the processes and the considerations involved in undertaking an energy audit, which will also be the focus of assignment 1. The options for demand management, including outsourcing will be examined. Passive energy design, which 'locks in' future energy usage will be presented. Active energy systems and their fundamentals: lighting, air conditioning, hot water, ventilation, vertical transportation, and machinery, will be reviewed. Finally methods of assessing energy performance including computer simulation will be covered.

DESC9112
Service Provision
Credit points: 8 Teacher/Coordinator: Dr. David Leifer Session: S1 Intensive Classes: Lectures Assessment: Two assignments (50% each) Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit deals with facilities services delivery. The objectives of this unit are to give students tools to assess the financial viability of carrying out facility management tasks through in-house or out-sourced labour and to expose students to the range of service contracts available. Initially facility managers must identify and define the services that are needed, and that their employers are willing to endorse to sustain the facilities for which they are responsible. Facility managers then have to assess the best means of having those services delivered. The advantages and disadvantages of in-house and outsourced servicing need to be considered. An understanding of workplace relations will be essential as most FM tasks are labour intensive. Dealing with direct in-house labour demands more of the facility manager than outsourced labour. Whatever the decisions on in-sourcing or out-sourcing, work specifications need to be developed, and means of performance measurement derived. Allocating the responsibility for supervision and policing of the work has to be defined. If in-house, work needs to be programmed and resourced. If out-sourced, then various forms of contracting will need to be considered, and a tendering process undertaken. Change management is needed in moving from one form of servicing to another. This unit directly corresponds with AFM competencies AFM 1: manage delivery of services, implement procurement outsourcing; AFM 2: manage workplace relations; AFM 3: manage change. This unit indirectly corresponds with AFM competencies AFM 1: manage facilities, improve facility performance, manage risk; AFM 2: manage finance, develop strategic facility response, manage workplace portfolio; AFM 3: develop strategic facility response.

DESC9113
Computer Aided Facility Management
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: S2 Intensive Classes: Computer laboratory Assumed knowledge: DESC9047 and DESC9048 Assessment: One assignment (100%) Mode of delivery: Normal (lecture/lab/tutorial) Day

The ability to manage depends upon the availability of appropriate information. Collecting, storing, and maintenance of information has resource costs. Information needs to be assessed, and systems produced to ensure that the correct data is collected, stored correctly, and up-dated. Managing large amounts of information requires a computer system. If, in facilities management operations, data needs to be connected to drawn information the necessary systems become more complex. This unit presents: an awareness of the design and operation of databases and query languages; the resources available to establish, operate and maintain information systems; information need in terms of FM operations, key performance indicators, and continuous improvement; information systems and quality assurance considerations; the range and types of reports required from the information systems also needs prior consideration. This unit directly corresponds with AFM competencies AFM 1: manage facilities, improve facility performance; AFM 2: manage facility portfolio; AFM 3: develop strategic facility response, facilitate communication. This unit indirectly corresponds with AFM competencies AFM 1: manage delivery of services, manage risk; AFM 2: manage finance; develop strategic facility response.

DESC9115
Digital Audio Systems
Credit points: 6 Teacher/Coordinator: Dr densil Cabrera Session: Semester 1 Classes: Ten lectures (3 hours each) Three laboratory sessions (3 hours each) Assessment: Three assignments: 70% Three laboratory reports: 30% Practical field work: Practical exercises include programming a DSP chip in assembly language to perform real-time audio tasks and the use of high-level software packages to generate, manipulate and analyse sounds. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Permission required unless enrolled in the Audio stream. Enrolment numbers are limited by teaching resources.
The objective of this unit is to provide both a strong theoretical understanding of digital audio and practical experience in applying these principles to digital audio systems. This unit offers a systematic approach to understanding digital audio systems. Beginning with basic principles, the unit provides a knowledge base for understanding advanced digital audio components, systems and techniques. Examples of everyday audio signals are used and characterised in terms of their temporal and spectral properties. Practical application is emphasised and is supported through laboratory exercises that include programming as well as the use of current hardware and software packages. Topics include: digital principles, digital systems, sampling and quantisation, 1-bit and multi-bit conversion, digital signal processing, filtering, spectral analysis, sampling-rate conversion, data compression (MPEG etc), effects processing (echo, reverber etc), virtual reality audio, mixing, editing, optical storage (CD and DVD), magnetic storage (DAT and disks) and transmission formats (AES/EBU, SPDIF etc). Having successfully completed this unit the student will have the tools to understand what happens to a digital audio signal when a given process is applied to it; how to best apply this process and how to successfully combine digital audio components.

DESC9116
Loudspeaker Design
Credit points: 6
Teacher/Coordinator: Neville Theile
Session: Semester 2
Classes: Sem 3hrs/wk
Assessment: Three exercise-based assignments
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit aims to give students thorough understanding of the structure of a loudspeaker, its mechanical, electrical and acoustical properties, the conceptual tools for designing the various components that comprise a loudspeaker system, the effective use of these tools and the influence on the performance of loudspeaker systems of the acoustic environments in which they operate. Material covered: loudspeaker drivers: construction & sources of non-linearity (i.e. distortion); electrical & acoustical concepts; electrical equivalents of acoustical circuits; transfer functions: thele/small parameters; closed-box loudspeakers: box volume vs. parameters vs. sensitivity vs. low frequency response; vented-box loudspeakers: box volume vs. parameters vs. vent tuning vs. low frequency response; methods of measurement: testing; box & vent design & construction: proportions, damping, bracing, diffraction; multi-way loudspeakers: crossover networks; all-pass responses; directivity; interaction with crossover of response & impedance of drivers: phase response & time alignment; passive crossovers, advantages & disadvantages: components, coil design & construction; active crossovers: advantages & disadvantages: factorisation of transfer functions: equalisation; band-pass sub-woofers; horns; cables; the listening room & positioning of loudspeakers; subjective testing. On completing the unit, students should be acquainted with the history, theory and criticism of audiovisual technology and design; be familiar with the design, fabrication and integration of loudspeaker systems, assess the qualities of existing systems that they encounter and estimate their appropriateness to the intended application.

DESC9117
Sound Design for New Media
Credit points: 6
Teacher/Coordinator: Mr Michael Bates
Session: Semester 1
Classes: Lectures, computer lab, and studio sessions
Assessment: Project work (50%), written assignment (35%), class attendance and participation (15%)
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. First preference to students in the Audio or Digital Media streams.

The objectives of this unit are to introduce essential sound design concepts including editing, synchronisation, rhythm and counterpart; to provide an overview of the sound design for visual media process including development an understanding of the historical impact of film ‘factory’, radio and television broadcasting production antecedents on the design language; to learn skills in tracklaying, mixing and mastering audio for different media and genres; to learn essential sound recording skills; to learn the creation of various psychoacoustic effects and atmospheres; and to learn essential file management and archiving skills; to learn essential post-production skills in computer-based sound design in a studio environment. This unit is intended to give an understanding of the theory and practice of digital audio production for various visual media including digital video, web-based and interactive media. Using the industry standard ProTools software the unit will look at current computer-based tools and techniques available to the sound designer, as well as examine the various underlying strategies, processes, and sound design philosophies. The unit will offer a grounding in the history, theory and criticism of sound design and its applicability to current digital visual media. It will introduce conventional and non-conventional production models across a range of media production modes in broadcasting and multimedia. The sound designer's role in the process of creation of meaning will be examined in cultural as well as technical contexts of compositional practices. It is anticipated that the unit will encourage debate about and a demystification of current production practices. It will aim at developing and extending production techniques towards an individual aesthetic. At the completion of this unit students will be expected to: understand the aural medium, essential concepts and terms; have an overview of film ‘factory’, radio and television broadcasting production antecedents on the design language; be acquainted with the history, theory and criticism of audiovisual technology and design; develop an audiovisual language; understand spatial aspects of sound design; and develop technical and conceptual skills in preproduction, general mixing techniques, post-synchronisation dialogue, editing dialogue, producing sound effects, multi-tracklaying, selecting music, creating atmospheres and various psychoacoustic effects, synchronisation and related issues, mixing sound for vision, mastering for different media and genres, archiving.

DESC9118
Building Design Practice 1
Credit points: 6
Teacher/Coordinator: Dr Simon Hayman
Session: S2
Classes: Lectures and seminars
Assessment: Assignment
Mode of delivery: Normal (lecture/lab/tutorial) Day

The provision of good buildings that satisfy the wide range of client needs, community demands and social and environmental responsibility places significant demands upon building designers. The purpose of this unit is to introduce a performance-based approach on a range of single building design issues, with case studies, to provide guidelines in good design practice and their application. It is suitable for those with little or no building design experience. By the completion of this unit the student will understand the principles of performance-based design and be able to apply it to simple design situations.

DESC9119
Building Design Practice 2
Credit points: 6
Teacher/Coordinator: Dr Simon Hayman
Session: S1
Classes: Lectures and seminars
Prerequisites: DESC9118
Assessment: Assignment
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit develops the performance-based approach presented in Building Design Practice 1 with more complex and interacting issues. It is suitable for those with building design experience and emphasis will be placed upon the application of this approach to the students' own projects in their workplace. By completion of this unit the student will understand how interrelationships can be expressed with performance-based design and be able to apply it to more complex design situations.

DESC9125
Digital Video Design and Production
Credit points: 6
Session: Semester 1, Semester 2
Classes: Lectures and tutorials
Assessment: Includes analytical tasks; using capturing, editing and production skills and demonstrated knowledge of digital video design and production applied to a major assessment incorporating all stages of digital video production.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. First preference to students of the Digital Media stream.

The objectives of this unit are to acquire digital production skills demonstrated by a final project; understand issues associated with
video quality and compression; develop knowledge of output formats ( codecs) for digital Video; understand the steps involved in digital video production; develop skills for shooting digital video. This unit of study presents the student with a foundational perspective of the art and technology of digital video. Through practical exercises, the student will learn about core technologies associated with digital video production: video compression, audio synchronization, interfacing and capturing. Upon these basic skills, students will apply their knowledge to digital editing, transitions, digital video effects and batch rendering. At the completion of this unit students will: emerge with a video clip demonstrating the stages of digital video production, capturing, compositing, editing and rendering of digital video; accrue knowledge and understanding of essential processes, practices and formats used in digital video design and production.

DESC9133
Architectural Acoustics Practice
Credit points: 6 Teacher/Coordinator: Dr Densil Cabrera Session: Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit will cover a range of theoretical, practical and professional issues in architectural acoustics. Codes and standards pertaining to architectural acoustics; Method and integrity of measurement; Room acoustical measurement, modelling, simulation and criteria; Sound absorption theory, measurement and specification; Sound insulation theory, measurement and specification; Design of spaces using acoustical criteria; and Field assessment of acoustical problems in and around buildings. By the completion of this unit students will acquire knowledge and experience in areas commonly dealt with by the acoustical consulting profession. They will gain an appreciation of current issues in architectural acoustics, possibly inspiring future research.

DESC9134
Audio Seminar
Credit points: 6 Teacher/Coordinator: Dr Densil Cabrera Session: Semester 2 Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit introduces students to a broad range of current research in audio and acoustics, and gives them experience in research. It consists of a series of seminars on current research projects presented by active researchers in audio and acoustics, together with individual or small-group supervision of small-scale research projects. By attending this unit students will gain an understanding of the research process, and receive some modest experience in research. They will appreciate a range of research methods and subject areas at the forefront of audio and acoustics. They will be in a good position to assess their interest in undertaking further academic research.

DESC9135
Digital Audio Production with ProTools
Credit points: 6 Teacher/Coordinator: Mr Michael Bates Session: S1 Late Int Classes: Lectures held as intensive weekend course (3) with computer laboratory sessions Assessment: Written project proposal demonstrating further research and comprehension of conceptual aspects of the production process, class presentation and project. Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit is intended to give an understanding of the principles and practice of computer-based audio production and post-production, through the focus of the industry standard ProTools software. This unit will: introduce the student to multitrack audio production concepts and practices as used with a personal computer; give an understanding of the specialised approaches and techniques used with various media, genres and formats; teach skills in computer-based audio production in lectures, practical demonstrations and by individual or small-group practical work, both in-class and by assignments. Students will develop technical and conceptual digital sound recording skills across a wide range of production areas. They will gain an understanding of the implications of non-linear, hard disk based recording systems on production practices. They will develop sound design skills in composition, editing, signal processing and mixing, as well as mastering for various media, technical presentation of material, data management and archiving.

DESC9136
Music Technologies
Credit points: 6 Teacher/Coordinator: Mr Michael Bates Session: Semester 2 Classes: Lectures, computer laboratories, studio sessions Assessment: Students will be assessed by a series of small assignments, as well as a larger scale final project. Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit will introduce a wide range of electronic and computational approaches to music production, with a focus on analogue and digital sound synthesis, MIDI and audio sequencing, sampling, and inter-application synchronisation. Concepts and practices examined will include the implications of nonlinear recording technologies on music composition, sound design and studio production practices; the integration of symbolic and continuous audio data; music production for the internet; interactive and intelligent computer-music systems; virtual musical instrument design; and computer music programming. Content covered: Sound synthesis theory and practice; Symbolic music and sequencing; MIDI, M-LAN, MPEG 4 and other recent developments in music technology; Sampling and re-processing; Interactive music technology and virtual musicians; Computer programming for music production; Real-time interactive networked music; and Music in new media. By completing the unit students will gain an understanding of many approaches to music technology, and will become adept at music production using computers. The knowledge acquired in this unit will be applicable to a wide range of music and audio production contexts including film, video and new media.

DESC9137
Spatial Audio
Credit points: 6 Teacher/Coordinator: Dr Densil Cabrera Session: Semester 1 Classes: Sem 3hrs/wk Assumed knowledge: DESC(9138 and 9011) Assessment: Two assessment tasks - a theoretical exercise-based assignment, and a practical production-based assignment. The practical assignment will be flexible enough to accommodate a wide range of student interests. Mode of delivery: Normal (lecture/lab/tutorial) Day

Unit content: Stereophonic, surround sound and binaural sound production techniques; Theory of auditory space; Spatial sound representation via single channel systems; Beyond localisation: spatial sound quality; Impulse response theory, measurement and prediction, and convolution; Auralisation for architectural design; Virtual sound space synthesis; Hybrid real/virtual sound spaces; and Interactive sound spaces and internet applications. By completing this unit students will acquire: strong theoretical foundations in spatial audio; experience in spatial audio systems (physical and computational); an appreciation of spatial audio potential of emerging technologies; and an ability to integrate spatial audio into their broader practice.

DESC9138
Architectural and Audio Acoustics
Credit points: 6 Teacher/Coordinator: Dr Densil Cabrera Session: Semester 1 Classes: Lectures Assessment: A series of small-scale assignments Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit will introduce the fundamental concepts and issues of audio and architectural acoustics. Unit content: basic acoustical concepts, quantities and units; principles of sound propagation; sound absorption and room acoustics; physiological and psychological acoustics;
microphones and loudspeakers; spatial audio; noise measurement and specification; and principles and specification of sound insulation. By completing this unit students will be able to understand acoustical terminology, and perform calculations applicable to sound in the environment, in buildings, and in audio contexts. They will have the ability to critically assess claims of acoustical performance. This unit will provide the theoretical foundation of advanced units in audio and acoustics.

DESC9145 Sustaining the Built Environment
Credit points: 6 Teacher/Coordinator: Mr Bruce Forwood Session: S1 Intensive Classes: Lectures, seminars Assessment: Written assignments Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit will aim to heighten student's awareness of the major environmental and resource issues facing the planners and designers of the built environment; introduce and explore concepts of ecological sustainable development as they apply to the built environment and debate the roles that designers and planners should play in the development of a sustainable future. Unit content: an environmental history of 20th century urban growth and development; the impact of climate change and environmental degradation upon the planning and design of the built environment; energy and resource flows in the built environment; the dimensions of ecological sustainable development; urban and regional planning perspectives on a sustainable built environment; the roles of governments, industries and professions in creating a sustainable built environment; the role of architects in creating a sustainable built environment. Students will be expected to take part in structured discussions relating to the design and planning of a sustainable built environment and prepare a personal response to the issues raised in these discussions and other unit material. The unit will broaden students understanding of the significance of sustainable architectural practice and planning upon creating a sustainable future built environment.

DESC9146 Climate, Comfort and Sustainable Design
Credit points: 6 Teacher/Coordinator: Mr Bruce Forwood Session: S1 Late Int Classes: Lectures, seminars Assessment: Written assignment, project Mode of delivery: Normal (lecture/lab/tutorial) Day

The aims of this unit are to establish the importance of climate and human thermal comfort as external and internal influences upon the form and substance of sustainable buildings; introduce a basic understanding of the thermal and other processes which create climate and influence human thermal interactions with their environment; introduce techniques for analysing and interpreting climates and specifying appropriate thermal dimensions for the spaces within sustainable buildings. Unit content: (1) Climate: the meaning of the concept of climate; the elements of climate: solar energy, the atmosphere, longwave radiation, the carbon cycle, the water cycle, winds, the earth's energy balance; the causes and likely impacts of global climate change; the influence of climate upon urban form; the consequences of climate change upon building design practice; climate data and its interpretation. (2) Thermal Comfort: energy balance of the human body and its thermal environment; thermal spatial dimensions and their impact upon human thermal sensations; traditional methods for defining and measuring thermal comfort; cultural and climatic influences upon thermal comfort; the Adaptive Model of thermal comfort and its application to sustainable design of buildings. (4) Buildings as environmental filter. At the conclusion of this unit students will be expected to demonstrate competence in understanding the operation of climates at global and local scales and in interpreting and analysing climate data for building design purposes; their ability to apply appropriate thermal dimensions for buildings and their ability to apply this knowledge and these skills to a simple design exercise. The unit will broaden students understanding of the significance of considering climate and thermal comfort as essential design criteria for creating a more sustainable built environment.

DESC9147 Sustainable Building Design Principles
Credit points: 6 Teacher/Coordinator: Mr Bruce Forwood Session: S2 Intensive Classes: Lectures, seminars Assessment: Written assignment, project Mode of delivery: Normal (lecture/lab/tutorial) Day

The aims of this unit are to develop an understanding and knowledge of the principles underlying sustainable building design practice, in particular those principles which relate to the environmental attributes of the building fabric, the creation of healthy and comfortable interior environments, the selection of appropriate building materials and the minimisation of embodied and operational energy consumption. Unit content: environmental and health impacts of building materials; indoor air quality; embodied energy of building materials; understanding energy flows between buildings and their environment; the principles of passive solar heating strategies in cold and temperate climates; strategies for controlling solar and other loads on the building fabric; principles of cooling by natural ventilation; low energy mechanical cooling strategies; hybrid and mixed-mode cooling strategies. By the completion of the unit students will be expected to demonstrate their knowledge of the relevant properties of building materials and construction elements which impact upon the environmental performance of buildings and to demonstrate their competence at applying this knowledge to the formulation of appropriate sustainable design strategies.

DESC9148 Sustainable Building Design Practice
Credit points: 6 Teacher/Coordinator: Mr Bruce Forwood Session: S2 Late Int Classes: Lectures, seminars Assessment: Written assignment, project Mode of delivery: Normal (lecture/lab/tutorial) Day

The aims of this unit are to explore the implications of applying sustainable building design principles on design practice; to evaluate and critique the sustainability of current design practice through an examination of current theory and professional ethics and the exploration of case studies; to explore the development of new sustainable design paradigms. Unit content: the response of architectural practice to the rise of environmentalism in the 20th century; the emergence of passive solar architecture; ecologically sustainable design [ESD] and its impact upon current design practice; real and perceived barriers to a more sustainable design practice; impact of education and theory on practice; expressing the values of sustainability in built form; towards a new sustainable design paradigm. By the completion of the unit students are expected to demonstrate an ability to critique current building design practice in relation to sustainable design principles; to demonstrate their knowledge of key recent buildings which their designers claim to be sustainable and their ability to evaluate these claims; to enunciate a personal position on the impact of applying sustainable design principles on future design practice. The unit will broaden students understanding of the principles of sustainable building design and their impact upon future design practice.

DESC9149 Sustainable Design Workshop
Credit points: 6 Teacher/Coordinator: Mr Bruce Forwood Session: Semester 1, Semester 2 Classes: Project work - private study Assessment: Project Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit of study provides an opportunity for applying the principles of sustainable design practice to a particular design project. Unit content: the exploration of sustainable design principles in response to a design brief and the demonstration that the resulting design solution satisfies the intended sustainable design criteria. By completion of this unit students are expected to demonstrate an ability to respond to the requirements of a design brief in order to produce a building design which demonstrably embodies the principles of sustainable design. The unit will broaden students' understanding of the principles of sustainable building design and their impact upon future design practice.
DESC9150
Sustainability Research Project
Credit points: 6
Teacher/Coordinator: Mr Bruce Forwood
Session: Semester 1, Semester 2
Classes: Project work - private study
Assessment: Project
Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit will provide an opportunity for students to undertake supervised research on a topic related to Sustainable Design through intensive study of a particular aspect of sustainable building design. The study may take the form of a state of the art review, case studies, modelling, field study or a position paper on a particular issue. Students undertaking a masters dissertation could use this unit to explore and develop a potential topic. Students are expected to demonstrate their ability to undertake, document and report upon a small piece of structured research related to Sustainable Design. The unit will broaden students understanding of the principles of sustainable design.

DESC9151
Introduction to Building Services
Credit points: 6
Teacher/Coordinator: A/Prof Warren Julian
Session: S1
Late Int Classes: Intensive mode
Prohibitions: DESC2101, ARCH5202
Assessment: Assignments
Mode of delivery: Normal (lecture/lab/tutorial) Day

The objective of this unit is to provide students with sufficient knowledge of the principles of operation of the various services systems in buildings of larger than domestic scale in order to be able to contribute competently to the decisions that have to be made about these systems and to be aware of the implications of these decisions upon building design. At the completion of this unit the student is expected to: understand the principles involved in the functioning of the systems (these principles should remain relevant in the future even if the technology changes); know about the technology currently available, and understand the issues involved in deciding between competing solutions (not necessarily to make a final choice but to contribute competently to a discussion about that choice); and be aware of the implications the system has on the planning of the building. This usually means the space occupied, the need for access for maintenance and the effect on floors below and above. In the case of lifts, escalators and stairs, the pedestrian traffic patterns created should be considered. Topics covered include: strategic planning for services; air conditioning and ventilating systems; lifts and escalators; hydraulics systems; fire services; electrical services, lighting, security systems.

DESC9152
Lighting Design Masterclass
This unit of study is not available in 2007
Credit points: 6
Teacher/Coordinator: A/Prof Warren Julian
Classes: Intensive studios
Assumed knowledge: Lighting design fundamentals
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

The unit will provide an opportunity for students to undertake guided professional work in lighting design and to develop their skills in design and client presentation skills. The unit will involve an intensive masterclass approach in which students will work in teams with the teacher/Coordinator to develop solutions to lighting design problems. Topics covered include: visual perception; the theory and application of lighting to architectural and interior design; lighting calculation principles; and the use of computer software for lighting design. The unit will provide an opportunity for students to undertake guided professional work in lighting design and to develop their skills in design and client presentation skills.

DESC9153
Graduate Internship
Credit points: 12
Teacher/Coordinator: Relevant Program Coordinator
Session: Semester 1, Semester 2
Classes: Fieldwork
Assumed knowledge: Sufficient coursework to undertake guided professional work
Assessment: Log book signed by practice supervisor and 2000 word report on the benefits of the internship; pass/fail only
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

The aims of the internship are to provide a direct link between the academic core of the course and the disciplines and methods of practice; to enable candidates to experience aspects of practice and provide the opportunity for them to work in areas of the field outside their specific expertise; to enable candidates to observe, analyse and comment on the interaction between theoretical and practical issues of their Program as it is practiced, and to establish connections between practice and the development of relevant research programs. The internship is intended to provide the opportunity for students to work in various situations in their Program’s area. A secondary intention is that students use the opportunities of placement to broaden their own experience beyond the limitations of their chosen discipline. Candidates must find a suitable professional placement. Permission to enrol is given after the proposed placement has been approved by the Program Coordinator. The host organisation will nominate a supervisor for the student for the internship. The student must complete at least 120 hours of full or part-time experience, supervised by a practicing designer (or other professional depending upon the field). A log-book of each day’s work, signed by the supervisor must be submitted on completion. A 2000 word report on the benefits of the internship must also be prepared. At the end of the internship the student will: demonstrate that they have completed a program of work (through a log-book); present a report; analyse their experiences and compare these to the theoretical content of the units they have completed, and suggest appropriate research directions so as to improve the complementarity of theory to practice.

DESC9154
Lighting Design Software
This unit of study is not available in 2007
Credit points: 6
Teacher/Coordinator: A/Prof Warren Julian
Classes: Intensive
Prerequisites: 24 credit points
Assumed knowledge: Lighting design fundamentals
Assessment: Four assignments of equal value.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Students will learn how to use software for the design of interior and exterior lighting. Rendering software will also be discussed and demonstrated. Assignments requiring the use of software, such as AGI, will demonstrate the achievement of the objectives.

DESC9155
Visual Perception and Digital Imaging
This unit of study is not available in 2007
Credit points: 6
Teacher/Coordinator: Dr. Kirsty Beilharz & Hon. Assoc. Terry Purcell
Classes: Lectures & studio tutorials
Prerequisites: DESC9091 Digital Media Production
Assessment: Includes analytical tasks and using capturing, software skills and knowledge about visual perception applied to a folio of digital images.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Students will understand lighting design software; understand limitations and calculation models; gain some experience in its use and understand the import and export of data.

DESC9156
Graduate Internship
Credit points: 12
Teacher/Coordinator: Relevant Program Coordinator
Session: Semester 1, Semester 2
Classes: Fieldwork
Assumed knowledge: Sufficient coursework to undertake guided professional work
Assessment: Log book signed by practice supervisor and 2000 word report on the benefits of the internship; pass/fail only
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

The aims of the internship are to provide a direct link between the academic core of the course and the disciplines and methods of practice; to enable candidates to experience aspects of practice and provide the opportunity for them to work in areas of the field outside their specific expertise; to enable candidates to observe, analyse and comment on the interaction between theoretical and practical issues of their Program as it is practiced, and to establish connections between practice and the development of relevant research programs. The internship is intended to provide the opportunity for students to work in various situations in their Program’s area. A secondary intention is that students use the opportunities of placement to broaden their own experience beyond the limitations of their chosen discipline. Candidates must find a suitable professional placement. Permission to enrol is given after the proposed placement has been approved by the Program Coordinator. The host organisation will nominate a supervisor for the student for the internship. The student must complete at least 120 hours of full or part-time experience, supervised by a practicing designer (or other professional depending upon the field). A log-book of each day’s work, signed by the supervisor must be submitted on completion. A 2000 word report on the benefits of the internship must also be prepared. At the end of the internship the student will: demonstrate that they have completed a program of work (through a log-book); present a report; analyse their experiences and compare these to the theoretical content of the units they have completed, and suggest appropriate research directions so as to improve the complementarity of theory to practice.

DESC9157
Lighting Design Software
This unit of study is not available in 2007
Credit points: 6
Teacher/Coordinator: A/Prof Warren Julian
Classes: Intensive
Prerequisites: 24 credit points
Assumed knowledge: Lighting design fundamentals
Assessment: Four assignments of equal value.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Students will learn how to use software for the design of interior and exterior lighting. Rendering software will also be discussed and demonstrated. Assignments requiring the use of software, such as AGI, will demonstrate the achievement of the objectives.
involves surface and light: light in the environment, its relation to design, visual sensory systems, adaptation, textured and patterned surfaces, reflection, illumination and reflection. Colour perception and its influence on design and digital image composition is explored: metamerism and complementary colours, partitive and subtractive colour mixing, colour systems, hue, saturation, contrast, light levels, perceptual affects of adjacent colour, backgrounds, distance and environmental factors influencing visual images. Emotional, schematic and structural design effects of colour are considered. Human visual perception is related to photographic and digital capture. Aperture, depth of field, colour temperature, white balance, how digital devices (cameras, scanners, monitors) handle light and colour will be discussed. The computational focus of this unit of study relates manipulation and management of digital images, light, colour and visual effects to our perception. The student will learn colour management processes and adjustment methodologies for hue, saturation, levels, blur, clarification and skills for image composition, framing and presentation.

DESC9156 Digital Compositing and Visual Effects
Credit points: 6 Teacher/Coordinator: Roy Mathi Session: Semester 1 Classes: Lectures and lab tutorials Prerequisites: DESC (9091 and 9092 and 9129) Assessment: Project work demonstrating knowledge of media integration, resulting from production processes considered during the unit of study. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. First preference to students of the Digital Media stream.

The objectives of the unit are to develop knowledge of digital imagery, motion graphics, visual effects, sound synchronization and digital video; understand media types and functions; develop an in-depth understanding of the digital image and visual effects production process; and to develop skills using compositing, 3D animation, image editing, vector imaging, sound editing, video editing and burning (production) software applications. Digital compositing is the integrated result of at least two source images or components. This unit of study focuses on developing an understanding of media types and functions. Students will expand media creation skills, utilising previously and newly acquired knowledge to develop a flowing, unified result. Students will produce an integrated sequence from multiple images with synchronised sound, demonstrating understanding of the digital image and visual effects production process (output on VHS, CD, DV or DVD).

DESC9160 Lighting Photography
Credit points: 6 Teacher/Coordinator: A/Prof Warren Julian Session: S1 Late Int Classes: Intensive and fieldwork Assessment: Portfolio of completed photographs with notes on techniques used and an evaluation of the outcome. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: This unit of study is offered in odd numbered years only. Available to Graduate Diploma and Masters students only.

This unit introduces lighting photography by considering the principles of photography; issues in architectural photography and how light can be photographed. The photography of interior and exterior lighting is covered, including landscape and floodlighting. Upon successful completion of this unit the student will be able to photograph interior and exterior lighting.

DESC9161 Theatre and Performance Lighting
Note: Department permission required for enrolment.
Note: This unit of study is offered in odd numbered years only. Available to Graduate Diploma and Masters students only.

The unit is targeted at people interested in lighting design for theatre and other entertainment applications, to gain an insight into "theatre" lighting design as well as a working understanding of the associated technical elements of theatre lighting. The unit covers not only theatre lighting design techniques, but, also other "event" lighting design from small low budget to large scale performances. The unit of study has practical "hands on" workshops where students are expected to participate. Workshops include, rigging, focusing and plotting for scenes in a play, DMX addressing, data system layout for use with moving lights and programming moving lights for theatre and other events. By completion of this unit the student will gain practical "hands on" experience of theatre lighting by participating in workshops on rigging, focusing and plotting for scenes in a play. DMX addressing, data system layout for use with moving lights and programming moving lights for theatre and other events.

DESC9164 Light Sources and Luminaires
Credit points: 6 Teacher/Coordinator: A/Prof Warren Julian Session: S2 Late Int Classes: Lectures and demonstrations in intensive mode Prerequisites: DESC (9072 or 9166) Prohibitions: DESC9063 Assessment: 3 assignments (equally weighted) and examination (30%). Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: This unit of study is offered in odd numbered years only.

The objectives of this unit are to understand the major light source families; the performance properties of lamps; the various methods of light control; and the design, testing and manufacture of luminaires. The various methods employed in the production of light and the performance criteria applied to the sources are discussed. Topics covered include: a historical outline of the development of sources; the practical requirements of light sources; black-body radiation; the sun; the sky; gaseous discharges; electro-luminescence; chemiluminescence; incandescent lamps; the halogen cycle; fluorescence; tubular fluorescent lamps; various high pressure and low pressure discharge lamps. Practical lamps are discussed in terms of luminous efficacy, spectral output, colour rendering, life, supply requirements, control gear, cost, etc. The design, manufacture, testing and the provision of data on luminaires are discussed. Topics covered include: the requirements of luminaires; methods of light control; the properties of optical systems; refractors; reflectors and diffusers; luminance control techniques; manufacture of luminaires and auxiliaries; codes and provision of photometric data for indoor and outdoor luminaires; the calculation of utilisation factors; luminaire luminances; computerised testing; machine readable photometric data. Laboratory exercises will demonstrate some lamp characteristics and luminaires are photometered and photometric data calculated. Upon successful completion of this unit the student will know the bases of light production and the characteristics of practical lamps, how luminaires operate, how to design reflector systems and relevant safety and other standards. Students will discover some of the outcomes through laboratory exercises and will demonstrate them in the assignments and examination.

DESC9165 Lighting Design
This unit of study is not available in 2007
Note: This unit of study is offered in even numbered years only.

Objectives To develop the basic skills needed in the design of interior and exterior lighting. <head6>Content This unit brings together the material of the four basic lighting units to develop the concepts and methodologies of interior lighting design. Topics covered include: the perception of colour, form, pattern and space, and issues relating to the perception and comprehension of the large-scale environment; aesthetics, perception and emotion; the limited quantitative procedures available for use in achieving the foregoing; the practical methods available for predicting illuminances from daylight and uniform arrays of luminaires; the prediction of discomfort;
psychological processes in seeing are discussed. Topics covered are:
overview of human sensor y systems the ph ysiological and
perception and awareness of the en vironment. After a br ief general
illuminat ion, e xamining ho w individuals maintain contact with and
involved in seeing and the perception and appreciation of the luminous
The objective of this unit is to introduce the student to the processes
develop, including: design appearance techniques; lighting systems;
colour and atmosphere-creating; task analysis; choices of sources
and luminaires; practical considerations of various lighting situations (e.g. domestic, offices, factories, hospitals, schools, etc.); special
applications (stage, television, merchandising, agriculture, etc.).
The requirements for various exterior lighting applications are
discussed. Some topics are treated in greater depth (e.g. various
floodlighting techniques) than others (e.g. road, tunnel, aircraft
and navigation lighting). Topics covered include: general floodlighting
requirements; floodlighting equipment; light distributions; calculation
methods; area floodlighting; building floodlighting; road lighting;
pedestrian lighting; tunnel lighting; vehicle lighting; traffic signals,
airport lighting; navigation lighting; display lighting; advertising. Various
computer-aided design methods are discussed and demonstrated.
Assignments based on computer-aided design are used as part of
the assessment. <head6>Outcomes The student will be able to design
simple and complex interior lighting using manual and computer-aided
tools. The experience will include design for effect and atmosphere.
The student will also be able to design exterior lighting for roads, sport
and floodlighting. The outcomes will be demonstrated through
individual design assignments.

DESC9166

Photo & Colorimetric Concepts & Mensurtn

Credit points: 6 Teacher/Coordinator: A/Prof. Warren Julian Session: S1
Late Int Classes: Lectures and laboratory classes in intensive mode
Prohibitions: DESC9072 Assessment: 2 assignments (equally weighted), 2
laboratory work exercises, examination (30%) Mode of delivery: Normal
(lecture/lab/tutorial) Day
Note: This unit of study is offered in odd numbered years only.

The objective of this unit is to understand the basic photometric and
colorimetric terms, quantities and relationships and be able to apply
these in practical and theoretical situations. This unit introduces the
rational system of measurement of lighting qualities and provides the
bases for photometric and colorimetric calculations. Topics include:
the development of the system of measurement of luminous flux;
luminous intensity; illuminance; luminance; reflectance; luminance
factor; transmittance; mention of refraction, diffraction and reflection
laws; relationships between luminous qualities; basic calculations
involved with diffuse surfaces; inverse square law; cosine law;
interreflections; Munsell Colour System; CIE Colour System; graphical
representation of photometric data; measuring instruments; accuracy;
repeatability; colorimetric calculations (chromaticity coordinates Xy,
L*A*B*, Lux, correlated colour temperature, colour rendering indices);
the integrating sphere; goniphotometry; distribution photometry.
Various measurement and calculation techniques are applied in the
laboratory exercises which support the unit. Upon successful
completion of this unit the student will know the basic photometric
and colorimetric systems used in Australian and other national and
international standards. Students will discover some of the outcomes
through laboratory exercises and will demonstrate them in the
assignments and examination.

DESC9167

Vision and Visual Perception

Credit points: 6 Teacher/Coordinator: A/Prof. Warren Julian Session: S1
Late Int Classes: Lectures and laboratory classes in intensive mode
Prohibitions: DESC9086 Assessment: 3 assignments of equal value Mode of delivery: Normal
(lecture/lab/tutorial) Day
Note: This unit of study is offered in odd numbered years only.

The objective of this unit is to introduce the student to the processes
involved in seeing and the perception and appreciation of the luminous
environment. This unit is an introduction to the science and art of
illumination, examining how individuals maintain contact with and
gather information about their environment via their sensory systems,
and how this information is dealt with by the brain to create perception
and awareness of the environment. After a brief general overview of
human sensory systems the physiological and psychological processes in seeing are discussed. Topics covered are:
dual nature of light; the physiology of the eye and its musculature;
light detection; the visual anomalies; contrast sensitivity; colour vision;
adaptation; brightness and lightness. The processes involved in image
detection and recognition are discussed including: edge detection;
luminosity determination; the association of the characteristics of
patterns; camouflage; stereopsis; the importance of the visual
attributes of tasks, such as alphabets; expectation. Some of the
characteristics of seeing are explored in the laboratory, particularly
the size-contrast-luminance relationship. At the conclusion of the unit
the student will have a knowledge of the anatomy, physiology and
neurology of the visual system related to sight, including anomalies
and age-related effects; the processes involved in vision; the
distinguishing features of seeing: the physical, psychological and
psychophysical processes involved in image detection, figure-ground,
colour, form, texture and appreciation. The assignments will allow
the student to demonstrate the achievement of this knowledge some of
the work is related to their private environments.

DESC9168

The Visual Field and Human Factors

Credit points: 6 Teacher/Coordinator: A/Prof. Warren Julian Session: S2
Late Int Classes: Lectures and laboratory exercises Prerequisites: DESC
(9085 or 9167) Prohibitions: DESC9086 Assessment: 2 assignments (equally
weighted), 2 laboratory reports, examination (30%). Mode of delivery: Normal
(lecture/lab/tutorial) Day
Note: This unit of study is offered in odd numbered years only.

The objective of this unit is to show the basis for the standards and
procedures used in lighting analysis and design. This unit will develop
material dealt with in the unit Vision and Visual Perception to examine
full-field vision and the human factors involved in lighting the visual
field. Topics covered include: the definition of the visual field with
regard to size, luminance, contrast and time; the extension of threshold
studies to practical task situations; the evaluation of visual tasks with
regard to difficulty and complexity; the development of measures of
discomfort and disability glare; the illuminance and glare scales used
in practical standards; methods for the assessment of tasks and
environments; experimental techniques of evaluation, such as
multi-dimensional scaling. Laboratory exercises on the assessment
of environments in physical and psychophysical terms are used to
support the lectures and demonstrations. At the conclusion of the unit
the student will know the bases of the light-technical recommendations
in Australian and other national and international standards. They will
discover some through laboratory exercises and will demonstrate
them in the assignments and examination.

DESC9169

Daylight in Buildings

This unit of study is not available in 2007

Credit points: 6 Teacher/Coordinator: Dr Simon Hayman Classes: Lectures
in intensive mode. Prohibitions: DESC9165 Assessment: Design or research
study Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: This unit of study is offered in even numbered years only.

<head6>Objectives The unit will: - introduce the physical processes
behind the availability of daylight; - explore the techniques for
modelling daylight; - explore design issues that result from daylighting
needs; - provide design information for the resolution of daylighting
design problems; - outline the issues involved in integration of daylight
and electric lighting; -head6>Content This unit provides an overview
of research in daylight measurement and knowledge about the
possibilities for daylight design for buildings. Topics include: - The
atmosphere and daylight; - Sky luminance distributions; - Daylight
measurement; - Daylight modelling including illuminance and
luminance models; - Traditional daylighting techniques including
building form, openings, glass and control devices; - Innovative daylight
technologies including "light shelves", 'beam' lighting and photochromic
glasses; - Economics of daylight including electric light
supplementation.
DESC9170 Services Control Systems
Credit points: 6 Teacher/Coordinator: Mr Alan Obrart Session: S2 Intensive Classes: Lectures and demonstrations in intensive mode Prerequisites: DESC9067 Prohibitions: DESC9077 Assessment: 8 assignments (3 x 5 per cent, 2 x 30 per cent, 3 per cent, 7 per cent, 15 per cent) Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit will provide knowledge of electric control circuits and electric and pneumatic control elements as applied to the design of automatic control systems for air handling and refrigeration systems, and create an understanding of the selection and application of electronic, programmable logic and direct digital control systems. Automatic control is an essential part of all air-conditioning systems. Satisfactory performance requires not only a well-designed control system but also an air-conditioning system designed to be controllable. This unit addresses practical application of automatic controls to common types of air-conditioning systems. Automatic control principles discussed are applicable to systems other than air-conditioning. By completion of this unit it is expected that students will gain a knowledge of the capabilities and limitations of electric, electronic, pneumatic and computer-based control systems for HVAC applications with an understanding of the types of controllers available to perform automatic control functions; and that they will be able to design automatic control systems for HVAC applications and to prepare and understand control diagrams. Assignments will test the knowledge gained by students in the above areas.

DESC9171 Vertical Transportation Services
This unit of study is not available in 2007
Note: This unit of study is offered in even numbered years only.

- Objectives: To present an understanding of the movement of people through high-rise buildings; - to instruct students in regulations and standards affecting the vertical transportation industry; - to examine available types of lifts, escalators and moving walks; - to present the methodology of lift traffic studies and manual and computer-aided lift system design; - to develop an understanding of lift power and control systems; and - to discuss maintenance and repair and to consider possibilities for the future in the lift industry.

- Content: Many modern building projects require installation of lifts or other means of moving people vertically. An understanding of the equipment used for this purpose together with associated design skills is therefore a valuable attainment for professionals and managers engaged in the lift industry. This unit is designed to provide that understanding of underlying principles and practice.

- Outcomes: It is expected that students will acquire a knowledge of the relationships between buildings, building populations and the lift installation; regulations and standards affecting lift, escalator and moving walk installations in Australia; the elements and construction of vertical transportation equipment; lift power and control systems; and traffic analysis calculations. Assignments will test the ability of students to apply the knowledge gained to the solution of practical problems in lift system design.

DESC9172 Building Asset Management
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: S1 Intensive Classes: Lectures in intensive mode Prohibitions: DESC9088 Assessment: Two assignments each at 50% Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit will examine the objectives of both private and public mass rental housing providers and consider the role that the built assets play. The buildings per se are a means to an ends, as well as a 'product' in their own right. This examination will involve financial considerations of capital and operating costs. Also, 'market' research needs to be considered to ensure that the 'customers get what they want' as their needs and circumstances change over time. The second half of the unit will look at the principles and practices of managing the fabric of housing. The mechanics of maintenance, and the background systems that have to be out in place in order to keep this aspect of operations under control. The special considerations of Heritage buildings will be explored. At the successful completion of this unit students will have demonstrated: an understanding of the internal drivers that impinge on both public and private housing combines; an understanding of the internal drivers that impinge on housing combines; an ability to describe to a lay-person how a house is intended to work; an ability to create a structured asset register, and to identify key assets; an ability to include condition, and maintenance task schedules, and so be able to map future capital expenditures to maintain the housing stock at an appropriate level. Student effort expected: contact hours: 24 hours per semester; class preparation: 8 hours per semester; assessment preparation: 46 hours per semester.

DESC9174 Theory and Practice of Digital Design
Credit points: 6 Teacher/Coordinator: Dr Andy Dong Session: Semester 1 Classes: Weekly lectures, 3 hours per week Prohibitions: DESC9139 Assessment: Three major assessments and one final research report Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission required unless enrolled in the Design Computing or Digital Media stream. Enrolment numbers are limited by teaching resources.

The unit of study develops the student's knowledge of the foundations of digital design including: design theory, new media theory, interaction theory, theory of computation, and critical theory. By articulating theory with its practice in digital design, the unit prepares students to pursue digital design practice and research in a manner that expands upon the potentials of the technologies as expressive, creative forms. Students explore the theoretical foundations through lectures, discussions, readings, and critical reviews of digital design works. Assessments in the unit of study progress students toward the preparation of an independent project proposal for a new work that makes creative and inventive uses of digital design technologies and thoughtfully contextualises the work within relevant artistic, political, or cultural landscapes. The objectives of this unit are to develop a working knowledge of computing theory and practice on the tools and technologies supporting design computing and digital media through the implementation of useful systems; research and critically analyse contemporary issues in digital design media as portrayed in mass communications and socio-political contexts through the critical analysis of digital media; engage in a scholarly research towards the development of new knowledge on the reciprocal nature of design theory and computational tools for design practice through the production of a research report. Student effort expected: contact hours: 3 hours per week; class preparation: 1 hour per week; assessment preparation: 39 hours per semester.

DESC9175 Web Design and Programming
Credit points: 6 Teacher/Coordinator: Dr Andy Dong and Dr Kirsty Beilharz Session: Semester 1, Semester 2 Classes: 3hrs/week Prohibitions: DESC9123, DESC9132, DESC9140 Assessment: Three major assessments will be required to demonstrate the student's knowledge of information design, information architecture, layout principles, and programming for web site design. Proportionate weight is given to aesthetic issues such as information design and page layout and technical issues such as programming style. Attendance and participation are part of the student's grade. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission required unless enrolled in the Design Computing or Digital Media stream. Enrolment numbers are limited by teaching resources.

The aim of this class is to provide students with the ability and knowledge to independently design and produce multi-page websites with special attention to information design, information architecture,
and personalisation of the website experience. Using an HTML authoring tool and dynamic web page authoring languages, this unit of study offers students a hands-on approach to designing multi-page, interactive websites. Students will design and program a dynamic website supporting multi-way communication experiences. By the end of the unit of study, students will have designed and programmed a professional looking digital media infused website employing dynamic web pages and Flash interface elements to create a personalised web experience. The objectives of the unit are: to design and program multi-page, dynamic website using the industry’s most current software packages; to assess and solve interface design issues using information design and information architecture principles and guidelines; to program static and dynamic web pages using HTML and dynamic web page programming languages by developing web pages with interactive and digital media infused content; to create a visual identity for a website through strategic information design by authoring web pages that are visually appealing; and to design an information architecture supporting personalised web experiences by creating a user-driven, multipage website. Student workload effort expected: contact hours: 3 hours per week; class preparation: 1 hour per week; assessment preparation: 39 hours per semester.

DESC9176 Creative Systems
Credit points: 6 Teacher/Coordinator: Prof John Gero Session: Semester 1 Classes: 3 hours per week Corequisites: DESC9174 or DESC9139 Assessment: tutorials, report in form of an essay, project with report Mode of delivery: Normal (lecture/lab/tutorial) Day

Design involves the production of the descriptions of new artefacts both physical and virtual. Parametric systems produce designs that are pre-defined variants of a starting design. Creative systems produce designs that are novel to varying degrees. This unit introduces the concepts of computational creativity and how they can be applied to creative systems for design. A number of computational processes capable of generating novel and creative results will be presented and used. Students will be expected to obtain a knowledge of computational creativity and the processes that can be used to produce novel and creative designs. Upon completion of this unit, students will understand: computational models of creative design; rule-based generative systems; evolution-based generative systems; and analogy-based generative systems. Student effort expected: contact hours: 3 hours per week; class preparation: 3 hours per week; assessment preparation: 39 hours per semester.

DESC9177 Computer Supported Collaborative Design
Credit points: 6 Teacher/Coordinator: Dr Andy Dong Session: Semester 2 Classes: 3 hrs/wk Prerequisites: DESC9174 or DESC9139 Prohibitions: DESC9097 Assumed knowledge: DESC9175 Assessment: Two major assessments will be required to demonstrate the student's knowledge of computer-supported collaborative design systems. Attendance and participation are part of the student's grade. Mode of delivery: Normal (lecture/lab/tutorial) Day

Design projects are increasingly relying on computer support for management. This unit of study covers the implementation and use of computer-supported collaborative design (CSCD) systems to solve a range of design management and collaboration issues in industry. The unit of study starts with a foundation in database management systems (DBMS) including the practical aspects of DBMS use with more theoretical aspects of database design methodologies and the internals of database systems. The unit of study then proceeds towards the analysis of the design and implementation of common CSCD systems focusing on technical and organisational perspectives on CSCD systems. The objectives of this unit are to understand the design and implementation of computer systems to support synchronous and asynchronous, distributed, collaborative work by implementing components of a design collaboration portal; to assess the collaboration needs of a design organisation and the suitability of a CSCD system by analysing and reporting on a proposed CSCD system for a group of designers. Student workload effort expected: contact hours: 3 hours per week; class preparation: 1 hour per week; assessment preparation: 39 hours per semester.

DESC9178 Computer Integrated Design
Credit points: 6 Teacher/Coordinator: Dr Mike Rosenman Session: Semester 2 Classes: 3 hrs/wk Prohibitions: DESC9096, DECO1007 Assumed knowledge: Any computer-aided design platform (e.g. AutoCAD, ArchiCAD, Microstation). Assessment: 2 formative assessments and one summative assessment covering the initial stages of a design through to final presentation utilising the techniques covered in the course Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit introduces students to the principles of ambient information visualization and physical computing. Ambient display consists of aesthetic information representations that convey abstract data in the periphery of human attention, which is not necessarily limited to human vision. By incorporating creative design, typical issues of information communication become enriched by the focus on user experience and visual aesthetics. Students will be introduced to micro-controllers, sensors and actuators that are capable of sensing and controlling physical artefacts, and the relevant software tools, programming languages and networking protocols to drive these. Potential fields of application include, but are not limited to, wearable devices, smart rooms, ubiquitous sensor nodes, intelligent clothing, home automation, electrical appliance extensions or interactive furniture. By the end of this unit of study, students will have reviewed current movements in the related scientific fields and have designed, built and programmed a smart, physical artefact that conveys information. Using the principles of multimodal visualization, these devices will trigger visual, auditory, tactile or olfactory human senses to represent data effectively to the user. The objectives of this unit are to design, prototype and program a working prototype of an ambient visualization using a physical, computer controlled device that is driven by data; to be aware of and utilise a diverse set of physical input, output, sensor, controller and network devices; to research current developments in the field of ambient visualization or physical computing. Student workload effort expected: contact hours: 3 hours per week; class preparation 1 hour per week; assessment preparation 39 hours per semester.
DESC9180
Designing Virtual Worlds
Credit points: 6  Session: Semester 2  Classes: 3 hours per week
Prohibitions: DESC9103  Assessment: Tutorial submissions on studying
human behaviour in virtual worlds, modifying existing worlds, programming
behaviours in a virtual world, programming a softbot; Design solution, reports,
and presentations. Mode of delivery: Normal (lecture/lab/tutorial) Day

The aim of this unit of study is to introduce the basic techniques in
designing and building virtual worlds for a variety of uses such as
collaboration, entertainment, socialising, and education. The focus
will be on the connection between the human activities supported and
the virtual world infrastructure for supporting interactive, functional,
multi-user environments. The outcome of the unit is to give students
sufficient knowledge and hands on experience on software tools for
designing and implementing virtual worlds that they can build
interesting environments that pay special attention to the fundamental
attraction that draws people to virtual worlds. The objectives of this
unit are to design an interactive virtual world for a specified activity;
to create and compose the 3D models that comprise the world; to
program the behaviours of the objects in the virtual world. Student
workload effort expected: contact hours 3 hours per week; class
preparation 1 hour per week; assessment preparation 39 hours per
semester.

DESC9181
Immersive Design Spaces
Credit points: 6  Teacher/Coordinator: Petra Gemeinboeck  Session: Semester 1  Classes: 3 hrs/wk  Corequisites: DESC9174  Assessment: Tutorial submissions on programming assignments and motion capture exercises; Design solutions and presentations. Mode of delivery: Normal (lecture/lab/tutorial) Day

The aim of this class is to provide students with the ability and
knowledge to make use of hardware technologies such as tactile
display screens, passive and active stereo wall-sized displays, and
motion capture suits to create immersive environments where
ubiquitous and pervasive computing merge for users to design an
expressive form. This class explores the continuum between physical
space and digital space. Students will gain an understanding of the
techniques in connecting digital and physical experiences, programming
skills in 2D and 3D graphical representations and design principles
for applying these techniques in the creative development of
immersive spaces. Emphasis will be placed on the specifics of
implementing creative, experimental expressive content with immersive
interfaces. The unit develops the student's ability to conceptualise
and build spaces which are neither fully synthetic nor fully physical
and to address the relationship between the embodied user and the
real time generated space. The objectives of this unit are to operate
hardware associated with immersive environments such as motion
capture suits and tracking systems; to program the hardware to create a
media design environment; to design a space which deepens the
inhabitants’ sense of place through immersion and/or for inhabitants
to design expressive content. Student workload effort expected:
contact hours 3 hours per week; class preparation 1 hour per week;
assessment preparation 39 hours per semester.

DESC9182
Design Computing Graduate Studio
Credit points: 12  Teacher/Coordinator: Andy Dong  Session: Semester 1  Classes: 6 hrs/wk  Corequisites: DESC9174  Assessment: Tutorial submissions for programming, visualisation, and database tasks; design solutions, reports, and presentations. Mode of delivery: Normal (lecture/lab/tutorial) Day

The aim of the unit of study is to provide students the opportunity to
design and implement a solution for a client selected from industry
that requires a distributed, interactive, software system. The focus will
be on the design and implementation of a solution to an industry need for
supporting the communication, information sharing, and community
building needs of the employees of a company. The objectives are to
design a client-server solution to an industry need using the internet
protocols; to develop a visualisation of information and community
needs as a front end client; to program the back end of the client
system as a combination of software, files, and databases. Student
workload effort expected: contact hours: 6 hours per week; class
preparation: 3 hours per week; assessment preparation: 39 hours per
semester.

DESC9183
Risk Management
Credit points: 6  Teacher/Coordinator: Dr David Gunaratnam  Session: Semester 1  Classes: 3 hrs/wk  Assessment: Three assignments (one based on student's research interest) Mode of delivery: Normal (lecture/lab/tutorial) Day

At the end of the unit successful students will: have an ability to
undertake a workplace risk identification study; have an understanding of
the process of prioritising risk; have an ability to generate and
assess risk management options and lead the discussion in the
selection of the most appropriate management strategy; understand
the procedure necessary to assess risk, and the options available to
control it; be aware of the obligations on organisations with respect to
OH&S in their workplaces; understand the policies and processes
that their organisation need to put in place to satisfy the legislation.
Upon completing this unit, students will be able to undertake an
analysis of the areas of risk related to their organisation's workplaces
having an impact on their missions and goals; understand the process
for assessing risk in terms of 'best practice'; demonstrate their ability
to present appropriate risk management options; be aware of the
Occupational Health and Safety regulations and will understand the
impact of these on their workplaces; and be able to implement OH&S
management procedures. Student workload effort expected: contact
hours: 24 hrs in intensive mode; class preparation: 6 hours per week;
assessment preparation: 24 hours per semester.

DESC9184
Computational Intelligence & Application
Credit points: 6  Teacher/Coordinator: Dr David Gunaratnam  Session: Semester 1  Classes: 3 hrs/wk  Assessment: Three assignments (one based on student's research interest) Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit aims to introduce students to the four major computational
intelligence paradigms: neural networks, fuzzy logic, evolutionary
computing, and swarm intelligence. It explores and identifies generic
classes of problems, in different application areas that can be solved
by using the four paradigms, and introduces the different models and
methods available for solving generic problems in each of the four
paradigms. It investigates the different pre-processing techniques,
representational schemes and strategies available for improving the
performances of each of the paradigms and explores hybrid approaches
based on two or more of the paradigms for solving generic problems.
At the completion of the unit each student is expected to have
demonstrated through the assessment tasks: a good understanding of
the characteristics and capabilities of the different computational
intelligence models and methods; an ability to associate a problem in
a given application area with a generic problem class and select and
develop an appropriate computational model; a good understanding
of the theoretical bases for the features in the software tools available
for the different paradigms; an ability to develop computational models
for applications within their own disciplines based on at least one of
the paradigms Students Workload effort expected: Contact hours three
hours per week; class preparation one hour per week; assessment
preparation 39 hours per semester.

DESC9185
Structural Synthesis Models
Credit points: 6  Teacher/Coordinator: Dr David Gunaratnam  Session: Semester 1  Classes: 3 hrs/wk  Assessment: Three assignments Mode of delivery: Normal (lecture/lab/tutorial) Day

The main aim of the unit is to introduce students to a number of
structural synthesis models currently available for generating structural
solutions within the design process, including both top down and
bottom up generative processes, as well as those inspired by
processes in nature. The unit is also designed to provide information
for evaluating the solutions generated by the models, for feasibility based on behavioural requirements, for performance based on the key decision criteria, and for classifying the solutions into appropriate structural categories. At the completion of the unit each student is expected to have developed through the assessment tasks an understanding of the different structural synthesis models available for use within the design process; the ability to use one or more of the models for generating feasible and optimal structural solutions; the ability to use the behavioural and synthesis models to evaluate an existing building for feasibility and structural performance; the ability to associate the different structural features of existing building designs to the structural design criteria and constraints. Contribution of unit to program: Core unit for the Building Stream for the New South Wales.</p> <p>Dr Petra Gemeinboeck</p> <p>Assessment: 1) Case study: students choose a phenomenon relating to digital technology and discuss in what ways this phenomenon reflects/is reflected in our culture; 2) Blog discussion (throughout semester); 3) Final assignment - Part A: Writing a science fiction essay that explores a very near possible future scenario. This essay is about developing a critical narrative that addresses new relations of agency and power, produced and reflected by the emergence of new technologies, and the changing role of traditional relationships and new forms of culture and society these new power relations evolve. Part B: Developing the concept for a (digitally augmented) performance, an interactive installation or computer game that engages the (possibly networked) participant or player in the issues explored in your essay (part A). Mode of delivery: Normal (lecture/lab/tutorial) Day</p> <p>This unit of study is concerned with the interactions between digital media technology and contemporary culture. It will address major theories of digital culture and media and look at a diverse set of artistic, cultural, and social practices that both constitute and reflect the contact surface in which digital, physical and social domains interact. Developing an understanding of contemporary digital culture exceeds the limited perspectives of how digital technologies are used and designed, but rather considers the contextualizing factors that propel the co-evolution of digital media and culture. We will identify and critically analyze concepts, such as fluidity, ubiquity, and pervasiveness, and how these concepts are driven by the desire to overcome physical and social constraints. A major part of this unit will be concerned with the critical issues involved in this quest, such as control and power mechanisms (i.e. surveillance and censorship, the commercialisation of the public sphere), collective memory, and the reconstruction and reconstruction of identity and the human body. Readings, such as Chomsky, Hegemony or Survival, Florida, The Flight of the Baby Boom, The New World Order, and Hayles, How We Became Posthuman: Virtual Bodies in Cybernetics, Literature and Informatics; Negroponte, Being Digital; Mitchell, and selected essays in Trend, Reading Digital Culture will ground the students' investigation process. This investigation will further involve the reflective lenses of the Science Fiction genre and popular culture (Hollywood movies), discussing selected stories by authors, such as Philip K. Dick, William Gibson, Stanislaw Lem, Neil Stephenson, Arkadi and Boris Strugatski and movies, such as Existenz, Minority Report, and The Matrix. Through the unit students will develop a deep understanding of the multiplicity of interactions between digital technology and culture; the ability to contextualize digital technology within the evolution of culture and society and to communicate this knowledge in verbal and written form; ability to critically reflect on the co-evolution of culture and technology and to integrate these reflections in their design process. DESC9187</p> <p>Interactive Sound Studio</p> <p>Credit points: 12 Teacher/Coordinator: Dr Kirsty Beilharz Session: Semester 2 Classes: 6 hrs/wk Prerequisites: DESC9091 or DESC9011 Assessment: A combination of minor technical tasks to evaluate skills accomplishment and major studio projects demonstrating knowledge, discussion, integrated in a significant audio-visual real time interactive sonification, installation or hyper-instrument work. Other assessments will require demonstrated understanding of sound design techniques and conceptual understanding of interaction paradigms such as mapping data or motion to sound. Outcomes include a major work, its documentation for the student's professional folio and potential exhibition. Critical thinking and written work will lead to a literature review and background preparing a student for potential future research opportunities in the real time interactive instrument auditory interaction areas. Mode of delivery: Normal (lecture/lab/tutorial) Day</p> <p>Note: Enrolment limited by teaching resources. Permission required unless enrolled in Digital Media or Audio & Acoustics. If your attempt to enrol online is unsuccessful please contact the Architecture Student Administration Centre. This Unit of Study develops students' knowledge of audio-visual interaction. It aims to familiarise students with real time interaction design, gestural and motion-triggered soundscapes, sonification, hyper-instrument design, physical modelling of virtual instruments, audio-visual mapping, visualizing sound, sound design for new media integration, generative sound and spatial interaction (using computer vision and wireless sensors). Students develop a theoretical knowledge of existing works by established designers and apply cutting edge motion capture, computer vision and gestural interaction technologies to their own real time responsive works developed in the studio. Information sonification and sound design are contextualised in works for interactive installation, ambient display, responsive and intelligent spaces. It looks at the relation between audio and visual display. Students will form an understanding of generative, algorithmic and biologically inspired artificial life processes used to create automated and evolving design solutions for non-linear, unpredictable scenarios. This unit of study will develop understanding of sound design strategies, including synthesis, analysis and filtering processes and physical modelling of virtual instruments to transform and create sonic resources. The contribution of sound is considered in new media contexts, its effect as a complementary, redundant and synergistic component of audio-visual multimedia, its affect on interaction. Theoretical background will examine the role of sound for auditory cues in navigation, interaction, emergencies, the workplace and for virtual and entertainment environments. The studio integrates an aesthetic, theoretical and applied approach for spatial and non-tactile computing and real time interaction. (This unit of study does not assume auditory or musical background, though there will be adequate opportunity for students with audio experience to develop new directions and innovative projects). Student workload effort expected: contact hours 6 per week; class preparation 3 hours per week; assessment preparation 18 hours per semester. DESC9188</p> <p>Modelling and Animation for Games</p> <p>Credit points: 12 Teacher/Coordinator: Dr Rob Saunders Session: Semester 1 Classes: 6 hours per week Prerequisites: DESC9019 or 9092 Assessment: A combination of minor technical tasks to evaluate skills accomplishment and major studio projects demonstrating knowledge, discussion, integrated in a significant level demo exhibiting modelling, animation, interaction and a conceptual foundation in asset design for the entertainment industry. Mode of delivery: Normal (lecture/lab/tutorial) Day</p> <p>Note: This unit would complement DESC9156. Permission required unless enrolled in the Design Computing or Digital Media stream. If your attempt to enrol online is unsuccessful please contact the Architecture Student Administration Centre. To understand the context and specialised requirements of 3D games assets; and to develop an integrated mod using an industry standard real time games engine involving its strategy, scenario, interaction, programming, modelling and animation design. Students will develop an understanding of the context and industry requirements for gaming assets and interactive mods for real time entertainment platforms. Concepts addressed include the modelling, animation, scenes, strategy and programming context for viable real time single and multi-player games environments. Students will develop methods for optimizing assets for efficient virtual reality and online game-play. This approach provides a comparative and complementary approach to linear techniques for developing filmic "heavy" assets learned in Digital Compositing and Visual Effects (DESC9156) and Digital Video Design and Production (DESC9125). Technical tutorials integrate advanced animation techniques such as natural character motion, complex expression, character rigging, character-based story-telling, synchronizing to sound, speech and interactive models using cutting
edge software. The studio environment encourages students to cultivate an in-depth demonstration of their knowledge and technique. Student workload effort expected: contact hours 6 per week; class preparation 3 hours per week; assessment preparation 18 hours per semester.

**DESC9189 Interacting with Urban Spaces**

Credit points: 12  
**Teacher/Coordinator:** Dr. Petra Gemeinboeck  
**Session:** Semester 1  
**Classes:** Lectures and studio  
**Prerequisites:** DESC9174 or 9186 or 9139 and DESC9091  
**Assessment:** Project design, implementation and presentation; documentation and reflection; research report relating to course theme.  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** Enrolment numbers are limited by teaching resources. First preference given to students in the Digital Media stream. This unit is intended for Masters level students. If your attempt to enrol online is unsuccessful please contact the Architecture Student Administration Centre.

The objectives of this unit are to integrate knowledge of human-computer interaction and mobile multimedia technologies in the design of a major project; to extend the scope of foundational courses and apply in-depth knowledge to the creative and innovative solution of a multimedia communication issue in the context of location-aware, mobile technologies on a significant scale; and to develop management plan preparation and design process documentation skills. This studio provides students with an opportunity to interact with public spaces and the urban fabric by exploring advanced mobile communication and context-sensing technologies. Students will conceive and develop a major design project that engages and involves everyday practices of the urban life and/or multi-cultural belonging, applying and pushing conceptual understanding of human-computer interaction in a mobile, networked context. The projects will include creative applications for mobile devices or sensor based networks to be integrated in experimental communication scenarios, public performances or innovative location-based services. This unit will place emphasis on experimenting with the idea of public co-authoring, using public space as a canvas to draw on and interact with and challenging thus the scope of applications for mobile communication. Reading, discussing and reflecting on contemporary theoretical perspectives in media art theory, urban research and emerging technological and artistic practices in locative art and other areas will advance the students design process. Outcomes of this unit: students will integrate knowledge accrued across a range of units of study in an integrated outcome; an extended knowledge and application of human-computer interaction and locative media (using location-aware, mobile technologies); a creative, innovative design conception and implementation that involves urban practices of the everyday and/or performances in the urban context; the ability to critically reflect on the current techno-cultural context and to integrate these reflections in the design process.

**PLAN9010 Planning Dissertation 1**

Credit points: 12  
**Teacher/Coordinator:** Dr Nicole Gurran  
**Session:** Semester 1  
**Classes:** Independent study + 7 meetings  
**Prerequisites:** WAM of at least 75 and 48 credit points being the core requirements for the MURP  
**Prohibitions:** PLAN9018, ARCH9031, ARCH9045, ARCH9046, ARCH9060  
**Assessment:** Dissertation of between 15000 and 25000 words. Mode of delivery: Normal (lecture/lab/tutorial) Day  
**Note:** Department permission required for enrolment.  
**Note:** Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. This unit is for Masters of Urban & Regional Planning students only. It MUST be taken in conjunction with PLAN9011 Planning Dissertation 2, either in the same or following semester.

The planning dissertation is a substantial piece of research, conducted full time over one semester (by enrolment in PLAN9010 and PLAN9011), or part time over two semesters (by consecutive enrolment in these units). It takes the form of a document (between 15000 and 25000 words) on an approved urban and regional planning subject of your choice. Students electing to do a stream in the MURP program must select a topic relevant to their chosen stream. There is also an option for students to prepare a shorter document suitable for publication in a refereed journal. The planning dissertation is an opportunity to advance your knowledge and skills in a particular area and so develop a "professional edge". For those intending to undertake further academic study, the dissertation also provides an opportunity for you to develop your research skills and qualify for the degree with honours. The objective of the dissertation is to allow you to develop higher order research and analytic skills by undertaking an in-depth study of your own selection. The expected learning outcomes of the dissertation include the ability to: think critically about a planning problem and develop an appropriate research methodology or analytical approach to address it; identify and access appropriate sources of information, research and literature relevant to urban and regional planning issues; undertake primary and secondary research; present your findings in a way that demonstrates academic and professional competence. A dissertation generally includes: a literature review to delineate a problem or gap in knowledge; a statement of research aims or objectives, as well as research questions and/or hypotheses; explanation of research methods; presentation and analysis of data; discussion of conclusions; an abstract. Permission to continue the Planning Dissertation is subject to a satisfactory research proposal which must be approved by your supervisor by week 3 of semester. The assessment is based solely on the submission of your dissertation. The dissertation will be marked by two examiners. Dissertations are due at the end of the first week of exams for the semester in which you are enrolled in Planning Dissertation 2. Note that only one submission is required for both Planning Dissertation 1 and 2. It is not possible to complete Dissertation 1 independently of Dissertation 2. Students who intend a shorter project should enrol in PLAN9018 Planning Report. A result of 75 is required for the award of the honours degree. Students with a result lower than 75 will be awarded the pass degree.

**PLAN9011 Planning Dissertation 2**

Credit points: 12  
**Teacher/Coordinator:** Dr Nicole Gurran  
**Session:** Semester 1, Semester 2  
**Classes:** Independent or group study  
**Prerequisites:** WAM of at least 75 and 48 credit points being the core requirements for the MURP  
**Corequisites:** PLAN9010 Assessment: Dissertation of between 15000 and 25000 words  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** This unit is for Masters of Urban & Regional Planning students only. It MUST be taken in conjunction with PLAN9010 Planning Dissertation 1, either in the same or preceding semester.

The planning dissertation is a substantial piece of research, conducted full time over one semester (by enrolment in PLAN9010 and PLAN9011), or part time over two semesters (by consecutive enrolment in these units). It takes the form of a document (between 15000 and 25000 words) on an approved urban and regional planning subject of your choice. Students electing to do a stream in the MURP program must select a topic relevant to their chosen stream. There is also an option for students to prepare a shorter document suitable for publication in a refereed journal. The planning dissertation is an opportunity to advance your knowledge and skills in a particular area and so develop a "professional edge". For those intending to undertake further academic study, the dissertation also provides an opportunity for you to develop your research skills and qualify for the degree with honours. The objective of the dissertation is to allow you to develop higher order research and analytic skills by undertaking an in-depth study of your own selection. The expected learning outcomes of the dissertation include the ability to: think critically about a planning problem and develop an appropriate research methodology or analytical approach to address it; identify and access appropriate sources of information, research and literature relevant to urban and regional planning issues; undertake primary and secondary research; present your findings in a way that demonstrates academic and professional competence. A dissertation generally includes: a literature review to delineate a problem or gap in knowledge; a statement of research aims or objectives, as well as research questions and/or hypotheses; explanation of research methods; presentation and analysis of data; discussion of conclusions; an abstract. Permission to continue the Planning Dissertation is subject to a satisfactory research proposal which must be approved by your supervisor by week 3 of semester. The assessment is based solely on the submission of your dissertation. The dissertation will be marked by two examiners. Dissertations are due at the end of the first week of exams for the semester in which you are enrolled in Planning Dissertation 2. Note that only one submission is required for both Planning Dissertation 1 and 2. It is not possible to complete Dissertation 1 independently of Dissertation 2. Students who intend a shorter project should enrol in PLAN9018 Planning Report. A result of 75 is required for the award of the honours degree. Students with a result lower than 75 will be awarded the pass degree.

**16. Postgraduate unit descriptions**
two examiners. Dissertations are due at the end of the first week of exams for the semester in which you are enrolled in Planning Dissertation 2. Note that only one submission is required for both Planning Dissertation 1 and 2. It is not possible to complete Dissertation 1 independently of Dissertation 2. Students who intend a shorter project should enrol in PLAN9018 Planning Report. A result of 75 is required for the award of the honours degree. Students with a result lower than 75 will be awarded the pass degree.

PLAN9018
Planning Report
Credit points: 12
Teacher/Coordinator: Dr Nicole Curran.
Session: Semester 1, Semester 2
Classes: Independent study + 7 meetings.
Prerequisites: 48 credit points
Prohibitions: ARCH9031, ARCH9060, ARCH9045, ARCH9046, PLAN9010.
Assessment: Report of between 10000 and 15000 words.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission required for enrolment.

The planning report is a substantial piece of research conducted over one semester. It takes the form of a report (between 10000 and 15000 words) on an approved urban and regional planning subject of your choice. Please note however that students electing to do a stream in the MURP program should select a topic relevant to their chosen stream.) The planning report is therefore an opportunity to advance your knowledge and skills in a particular area and so develop a "professional edge". The objective of the planning report is to allow you to develop research and analytic skills by undertaking an in-depth study of your own selection. The expected learning outcomes of the report include the ability to: think critically about a planning problem and develop an appropriate research methodology or analytical approach to address it; identify and access appropriate sources of information, research and literature relevant to urban and regional planning issues; undertake primary and secondary research relevant to problems in planning practice; present your findings in a way that demonstrates academic and professional competence. A planning report generally includes: a literature review to delineate a planning problem or gap in knowledge; a statement of research aims or objectives, as well as research questions; an explanation of research methods; presentation and analysis of data; discussion of conclusions. Permission to continue the Planning Report is subject to a satisfactory research proposal which must be approved by your supervisor by week 3 of semester. Planning reports are due at the end of the first week of exams for the semester in which you are enrolled. The assessment is based solely on the submission of your planning report.

PLAN9045
Economic Tools and Community Development
Credit points: 6
Session: S2
Classes: Intensive module, run over a three-day period; lectures, seminars, group work.
Assessment: Three assignments: (1) development project reading report (25%); (2) critical essay (30%); (3) draft project design (50%).
Mode of delivery: Block Mode

This specialisation unit is concerned with: project and program evaluation; economic and social impact analysis; regional planning and development; and assessment of benefits and costs, and justification for public funding. On completion of the unit the student should be able to: critically review regional economic impact and project evaluation documents; undertake a literature review using a variety of sources; use the internet as a research tool; apply the main concepts of input-output analysis, economic and project evaluation (including discount rate, net present value, internal rate of return); and consider intangible items in economic evaluation.

Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit is designed to fill a significant gap in the evolution of the urban and regional planning syllabus. Development project assistance is a multi billion dollar industry with Australia alone contributing significantly through projects and technical assistance in Africa, Asia (east, south and north) and the Pacific. Additionally are the programs of the bilateral agencies like the World and Asian Development Banks and those of the largest donor countries of Japan, United States and European nations. There are many parallels between urban and regional planning projects and point of development projects. Indeed, some planning consultancies are primarily engaged in international development assistance work. Differences in context, approach, content and implementation place particular demands on development project designers that are not addressed in standard land use planning texts. Additionally, expenditure of large sums of public money has brought with it demands for quality assurance (QA) assessment at each stage of the development project activity cycle. An introduction to QA methodology and practice is a necessary component of development project design. International development assistance is a huge business employing large numbers of Australian consultants, contractors and supplying companies together with those of partner governments. Planners contribute to the design, implementation and evaluation of development projects in most of the neighbouring countries of Asia and the Pacific. Development project design is conditioned by several key elements including: components of the project activity cycle, thematic policy goals and essential quality assurance requirements. This unit is designed for planners who may work in the field of international development. By the end of this unit of study you should have an understanding of the role and scope of development assistance project planning; an ability to undertake the studies required at each stage of the development project activity cycle; familiarity with the fundamentals of development project design; ability to comply with design conditions imposed by the key policy thrusts of: poverty, gender equity, environment and sustainability focused development objectives; familiarity with the scope and character of urban and regional planning project design and implementation in the Asia-Pacific region; and an understanding of quality assurance assessment methodology in development project assessment. The unit reflects the increasing internationalisation of
Australasian planning practice. It caters to the needs of local and international students intending to work on urban and regional planning projects within a development assistance context.

**PLAN9050 Housing for Health (Advanced)**

**Credit points:** 6  
**Teacher/Coordinator:** Mr Col James  
**Session:** S2  
**Classes:** Intensive mode  
**Assessment:** Two assignments and report (assignment 1: 10%, Assignment 2: 60%)  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

By the end of this unit a student should: have an understanding of recommended texts and reporting on health-housing theory; be able to complete specific tasks in the measurement of performance of household plumbing and electrical services and fittings against stated standards; be familiar with Healthhabitat data sheets and logging into Healthhabitat analysis programs to deliver work sheets for licensed plumbers and electricians; and be able to write a report specifically analysing data, house fixing procedures and independent observations of other health risks, to give householders information on best household user practices and regular maintenance requirements. This unit is an introduction of the housing characteristics fundamental to the healthy survival of babies (0-5 years) as a prerequisite for healthy family life. The focus is on nine healthy living practices: washing people; washing clothes; removing waste; improving nutrition; reducing crowding; separating people from animals, vermin or insects; reducing dust; controlling temperature; and reducing trauma. Upon completion of the basic Housing for Health unit, advanced and postgraduate students will select one of the nine healthy living practices for deeper research and investigation and presentation of a report. The unit aims to demonstrate the health implications of housing design. Students will develop skills in the measurement analysis of design features which have health outcomes. The unit will also develop skills in reporting and communicating results and recommendations to householders.

**PLAN9061 Planning Procedures**

**Credit points:** 6  
**Session:** S1 Intensive, S2 Intensive  
**Classes:** Four day intensive  
**Prohibitions:** PLAN9020, PLAN9044  
**Assessment:** Three written assessment items. These are based on current case studies in the Sydney metropolitan area, and may be used for a portfolio of professional work.  
**Mode of delivery:** Block Mode  
**Note:** Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. Permission required in Semester One unless enrolled in Urban and Regional Planning.

This unit aims to prepare you for professional practice as a strategic or development assessment planner. It focuses on social, economic and environmental principles for contemporary planning practice; and the legal frameworks for land use planning and environmental management in NSW. By the end of this unit of Study you will: understand the social, economic, and environmental principles underpinning contemporary planning practice; appreciate key legal and institutional processes for environmental planning in Australia and internationally; be familiar with the various planning state, regional, and local planning instruments in NSW, and understand when and how they apply to planning; be able to assess the social, economic, and environmental impacts of basic planning proposals, and identify appropriate processes to address these; justify these recommendations in professional planning reports; understand the principles, techniques and requirements for public participation in environmental planning and assessment; understand the ethical responsibilities of land use planners, including respect for diversity and the importance of social equity, in guiding decision making processes and assessing planning proposals. This unit is a core subject in the urban and regional planning program, and a required subject for several other degree programs in the Faculty. The unit relates directly to PLAN9062 Planning Law, and unless students have extensive experience or knowledge of planning practice in Australia, Planning Procedures must be undertaken prior to enrolling in Planning Law or during the same semester. Student workload: the unit is delivered intensively over 4 days. Class preparation: 3 hours prior to each class; Assessment preparation: 60 hours per semester.

**PLAN9062 Planning Law**

**Credit points:** 6  
**Teacher/Coordinator:** Adj A/Prof Mary-Lynne Taylor  
**Session:** Semester 1, Semester 2  
**Classes:** 2 hrs/wk  
**Prohibitions:** PLAN9020 or PLAN9061  
**Assessment:** Three written reports  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to develop an understanding of planning law that enables competent professional practice in addressing a range of complex planning issues. Students will be able to prepare reports on practical planning issues that demonstrate knowledge of how planning intentions are implemented through policies, instruments and controls; knowledge of how planning law shapes practice; knowledge of instrumental arrangements and environmental planning procedures; knowledge of the main characteristics of well-reasoned and well-structured documents; awareness of the importance of evidence and argument in preparing planning proposals, for example, about planning instruments and development applications; and a general understanding of techniques for community consultation. Student workload effort expected: contact hours: 2 hours per week; class preparation: 2 hours per week; assessment preparation: 60 hours per semester.

**PLAN9063 Foundations of Environmental Planning**

**Credit points:** 6  
**Teacher/Coordinator:** Mr Martin Payne  
**Session:** Semester 1  
**Classes:** 2 hrs/wk  
**Prohibitions:** PLAN9027  
**Assessment:** Three reports and graphics, based on group work on a project, with individual submissions. Each equivalent to 2,000-2,500 words in length.  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit is primarily concerned with concepts relating to planning for natural and built environments. It emphasises conceptual knowledge, with examples and case studies to demonstrate the application of concepts in practice. Students are encouraged to think independently, creatively and critically in developing understanding and practical knowledge about environmental planning. The unit is in three modules. Module one: Concepts of the environment and environmental planning, deals with different environmental concerns and adapting issues (defence, sanitation, security, material wellbeing, hazards, civic functions, urban places, natural environments etc); the emergence of government with environmental reforms; types of environmental state plans and planning instruments; and urban form, access, densities and the distribution of activities. Module two: Environmental Assessment, deals with environmental impacts - social, economic, natural etc; theory and practice of environmental impact assessment; recognition of the limitations with impact assessment, and possible remedies; environmental studies and assessment statements; the structure of environmental arguments and impact statements; procedures for preparing and assessing impact statements; political and economic factors influencing environmental assessment; case study - review of a major EIS. Module three: Urban Development, deals with environmental studies, metropolitan planning and the roles of governments; infrastructure planning and urban form; differing perspectives on planned and natural environments; various roles of planning in managing urban growth and protecting the environment; and a case study - planned metropolitan growth. On completion, each student will understand the flexible and evolving forms of environmental planning; be able to review an environmental impact statement; and be able to prepare basic urban development plans.

**PLAN9064 Land Use and Infrastructure Planning**

**Credit points:** 6  
**Teacher/Coordinator:** Mr Martin Payne  
**Session:** Semester 2  
**Classes:** Lectures and workshops  
**Prohibitions:** PLAN9028  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit is primarily concerned with concepts relating to planning for natural and built environments. It emphasises conceptual knowledge, with examples and case studies to demonstrate the application of concepts in practice. Students are encouraged to think independently,
creatively and critically in developing understanding and practical knowledge about environmental planning. The unit is in three modules. (1) Concepts of the environment and environmental planning: different environmental concerns and adapting issues (defence, sanitation, security, material wellbeing, hazards, civic functions, urban places, natural environments etc); the emergence of government with environmental reforms; types of environmental studies, plans and planning instruments; and urban form, access, densities and the distribution of activities. (2) Environmental Assessment: environmental impacts, social, economic, natural etc; theory and practice of environmental impact assessment; recognition of the limitations with impact assessment, and possible remedies; environmental studies and assessment statements; the structure of environmental arguments and impact statements; procedures for preparing and assessing impact statements; political and economic factors influencing environmental assessment; case study- review of a major EIS. (3) Urban Development: environmental studies, metropolitan planning and the roles of governments; infrastructure planning and urban form; differing perspectives on planned and natural environments; various roles of planning in managing urban growth and protecting the environment; and case study; planned metropolitan growth. On completion, each student will: understand the flexible and evolving forms of environmental planning; be able to review an environmental impact statement; and be able to prepare basic urban development plans.

PLAN9065 Urban Environment
Credit points: 6 Teacher/Coordinator: Dr John Dee Session: Semester 1 Classes: Sem 2hrs/wk Assessment: One project with three assignments each requiring a report and graphics. Each report is about 2,500 words in length. Mode of delivery: Normal (lecture/lab/tutorial) Day

The aims of this unit are (1) to understand basic principles of ecology and environmental management; (2) to apply principles of ecology and environmental management in assessing the impacts of urban development (including total life cycle) on environmental systems. (3) to formulate strategies to manage this impact and enhance environmental quality, particularly with respect to: conducting, managing, and evaluating environmental impact assessments; sustainable patterns of subdivision and urban design; sustainable building and construction; wise energy use, water and waste management; sustainable transportation; green cities / protecting and enhancing biodiversity. This unit is especially relevant to local government urban planning or environmental planning roles; regional, state and national government planning, conservation, and natural resource management agencies; international conservation and environmental management organisations; consulting firms, including those that specialise in environmental assessment and management. The field laboratory will: focus on the development of an assessment framework containing criteria against which issues/alternatives can be assessed in an ordered way dealing with logic and timing issues, policy issues, cost effectiveness and performance measures; enable students to understand how political and economic pressures can influence environmental decision processes.

PLAN9066 International Planning Field Laboratory
Credit points: 6 Session: S1 Late Int Classes: International field trip of up to 10 days Assumed knowledge: PLAN9049 Assessment: Production of a development project report including, a review of relevant development studies literature; use of appropriate investigative methodology; conclusions based in part on analysis of local data acquired during field laboratory visit. Mode of delivery: Block Mode
Note: Department permission required for enrolment

The aims of this unit are to, introduce urban and regional planning students to development project management issues, on site, in the developing world; to apply skills and knowledge learned in the unit: PLAN9049 Development Project Planning & Design in an international situation in the field; establishment of links with international urban planning alumni with a view to forging closer understanding of planning issues and plan-making; and exposure of participants in the field laboratory to a range of cross-sectoral development issues and themes notably sustainable development, reduction of urban poverty, gender equity and good governance. Assessment will be based on production of a development project report on a topic related to the international field venue concerned and selected from a supplied list and attendance and participation in seminars and workshops. Emphasis will be placed on, knowledge of the economic development history of the country concerned; demonstrated understanding of the cultural context relating to the project report; relevance of the report to the achievement of thematic development goals.

PLAN9067 Metropolitan Planning
Credit points: 6 Teacher/Coordinator: Prof Ed Blakely and Mr Martin Payne Session: S2 Intensive Classes: 6 days intensive Prerequisites: PLAN (9027 and 9028) or PLAN (9063 and 9064) Assessment: Assignment one: 25%, assignment two:30%, assignment three: 40%, readings: 5% Mode of delivery: Normal (lecture/lab/tutorial) Day

Students will learn about: the roles of governments in metropolitan planning and implementing urban development policies; planning for a range of infrastructure and for key urban activities; implementation arrangements for public and private sector agencies; and types of metropolitan plans and their relations with other instruments and policies. Each student will be able to: prepare a policy analysis on a planning issue that supports proposals and related actions; prepare a well organised report and make a short oral presentation on their analyses and proposals; conceptualise complex urban development situations; critically review and interpret literature, instruments, policies, plans etc; and conduct 'field' investigations, and construct sound, contextual and practical knowledge (especially using stories and arguments).

PLAN9068 History and Theory in Urban Planning
Credit points: 6 Session: Semester 1 Classes: 2 hrs/wk Prohibitions: PLAN9031 Assessment: Three essays, each of 2,000-2,500 words in length. Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit enables students to understand how the main concepts and practices of urban planning and development have evolved; appreciate different perspectives about the roles and purposes of planning; undertake basic historical research about urban planning and development issues; and prepare basic stories and arguments about practical planning issues. Students will be able to: critically review and interpret planning documents; construct and present basic arguments, orally and in documents; access and engage with key literature and other sources of knowledge; and use basic conceptual frameworks about planning arguments and stories. Contribution of a unit of study to its program: this is an introductory, core unit. Student workload effort expected: contact hours two per week; class preparation two per week; assessment preparation 50 hours per semester.

PLAN9069 Urban Design and Development Control
Credit points: 6 Session: Semester 1 Classes: 2 hrs/wk Prohibitions: PLAN9051 Assessment: Three reports, with supporting graphics, each of 2,500 words in length. Mode of delivery: Normal (lecture/lab/tutorial) Day

By the completion of this unit students will be expected to: understand the nature, history, and evolution of development controls; have fundamental notions of good urban design; critically examine development controls and make inferences about the type and quality of urban design they are likely (or not) to produce; develop skills to mentally overlay development controls over the built environment; judge the correspondence between urban design strategies and development controls; It is expected that: each student will demonstrate critical skills for assessing the soundness of policies, regulations, norms, and codes; each student will be able to prepare case studies, which demonstrate understanding of various forms of development controls, and the ability in apply these urban design proposals; and that each student will be able to prepare basic reports on urban design proposals and development control issues. Student
workload effort expected: Contact hours two hours per week; class preparation two hours per week; assessment preparation 50 hours per semester.
17. Postgraduate overseas exchange

About this chapter

This chapter explains the policies and procedures for overseas exchange for postgraduate students in coursework degrees.

The Faculty may approve international exchange for qualified students in graduate coursework master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student’s program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50 per cent of the core requirements of the degree on exchange.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of ‘R’ for ‘Satisfied Requirements’ will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student’s Weighted Average Mark.

The exchange units for enrolment at the University of Sydney, to be approved with the program coordinator, shall be selected from the following table.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Graduate exchange units</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Core units of study</strong></td>
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<td></td>
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<tr>
<td>DESC9660 Graduate Exchange Core A</td>
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<td>Semester 1</td>
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<tr>
<td>DESC9661 Graduate Exchange Core B</td>
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<td>Note: Department permission required for enrolment</td>
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<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DESC9662 Graduate Exchange Core C</td>
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<td>Note: Department permission required for enrolment</td>
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<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DESC9663 Graduate Exchange Core D</td>
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<td></td>
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<tr>
<td><strong>Optional units of study</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DESC9664 Graduate Exchange Optional A</td>
<td>6</td>
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<td></td>
<td></td>
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<tr>
<td>DESC9665 Graduate Exchange Optional B</td>
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<td>Note: Department permission required for enrolment</td>
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<tr>
<td>DESC9666 Graduate Exchange Optional C</td>
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<td>Semester 1</td>
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<tr>
<td>DESC9667 Graduate Exchange Optional D</td>
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<td>Note: Department permission required for enrolment</td>
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<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td><strong>Elective units of study</strong></td>
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<td></td>
<td></td>
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<td></td>
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<tr>
<td>DESC9668 Graduate Exchange Elective A</td>
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<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DESC9669 Graduate Exchange Elective B</td>
<td>6</td>
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<td></td>
<td>Semester 1</td>
</tr>
<tr>
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<td>Semester 1</td>
</tr>
<tr>
<td>DESC9671 Graduate Exchange Elective D</td>
<td>6</td>
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<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

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17. Postgraduate overseas exchange
18. Postgraduate coursework regulations

About this chapter

This chapter contains the Faculty’s regulations governing the postgraduate coursework degrees, diplomas and certificates in the Faculty of Architecture. It should be read in conjunction with the University of Sydney Coursework Rule 2000 (as amended) later in this book. It should also be read in conjunction with the resolutions of the Senate published in the University of Sydney Calendar and Table G, the table of graduate units of study in an earlier chapter of this book.

This set of rules constitutes the main framework by which your candidature is governed and you should refer to it from time to time to check your progress to your award or when other circumstances arise that require adjudication.

Master degrees by coursework, graduate diplomas and graduate certificates in the Faculty of Architecture

[Section 1]

1. Admission to candidacy

1.1 An applicant for admission to candidacy for the degree of Master, Graduate Diploma or Graduate Certificate of Architecture (Architectural Design) or Master of Architecture (Architectural and Urban Design) shall submit a portfolio of work indicating relevant design interests and capacities to the satisfaction of the stream coordinator and hold a professional degree in architecture.

1.2 An applicant for admission to candidacy for the degree of Master, Graduate Diploma or Graduate Certificate of Urban Design shall submit a portfolio of work indicating relevant design interests and capacities to the satisfaction of the stream coordinator and:

1.2.1 hold a professional degree in architecture or a degree in landscape architecture, urban planning or similar related field.

1.3 An applicant for admission to candidacy for the degree of Master, Graduate Diploma or Graduate Certificate of Design Science (Digital Media) shall submit a portfolio of work indicating relevant design interests and capacities to the satisfaction of the stream coordinator, and:

1.3.1 the candidate must decide which of the two streams is primary, and meet the core and optional requirements for that stream as specified in the table of requirements;

1.3.2 the candidate must decide which of the two streams is secondary, and meet the core requirements for that stream as specified in the table of requirements; and

1.3.3 a unit that is common to the requirements of both streams may count towards the requirements for both streams, but may only count once in the total credit points for the degree.

1.4 An applicant for admission to candidacy for a degree of master not otherwise specified shall:

1.4.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or

1.4.2 hold or have qualified for the award of the graduate diploma; or

1.4.3 hold or have qualified for the award of the graduate certificate with a weighted average mark of at least 70 across all units attempted for the award.

1.5 An applicant for admission to candidacy for a graduate diploma not otherwise specified shall:

1.5.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or

1.5.2 hold or have qualified for the award of the graduate certificate with a weighted average mark of at least 70 across all units attempted for the award.

1.6 An applicant for admission to candidacy for a graduate certificate not otherwise specified shall:

1.6.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or

1.6.2 furnish evidence which satisfies the Dean that he or she is qualified to enter upon the prescribed units of study.

1.7 The number of students admitted to the programs may be limited in accordance with University policies depending on available teaching resources.

2. Units of study

2.1 The units of study that may be taken for the degree are set out in Table G, the table of graduate units of study, together with:

2.1.1 credit point values;

2.1.2 assumed knowledge, corequisites and prerequisites;

2.1.3 the sessions in which they are offered;

2.1.4 the units with which they are mutually exclusive;

2.1.5 designation as core, optional or elective; and

2.1.6 enrolment quotas and other restrictions on availability.

2.2 A candidate shall complete the units of study prescribed by the faculty for the relevant degree, graduate diploma or graduate certificate satisfying all requirements with regard to core, optional and elective units of study.

2.3 Coursework shall consist of lectures and seminars together with such tutorial instruction, essays, exercises, practical work and assignments as may be prescribed by the faculty.

3. Requirements for the pass master degree, graduate diploma and graduate certificate

3.1 To qualify for the award of the Master of Design Science requiring 96 credit points at the pass level, a candidate must complete units of study selected from Table G, the faculty’s table of graduate units of study, meeting the following requirements for two streams:

3.1.1 the candidate must decide which of the two streams is primary, and meet the core and optional requirements for that stream as specified in the table of requirements;

3.1.2 the candidate must decide which of the two streams is secondary, and meet the core requirements for that stream as specified in the table of requirements; and

3.1.3 a unit that is common to the requirements of both streams may count towards the requirements for both streams, but may only count once in the total credit points for the degree.

3.2 To qualify for the award of other master degrees requiring 96 credit points at the pass level a candidate must complete units of study selected from Table G, the faculty’s table of graduate units of study, meeting the requirements specified in the table of requirements.

3.3 To qualify for the award of other master degrees at the pass level a candidate must complete 72 credit points selected from Table G, the faculty’s table of graduate units of study, meeting the requirements specified in the table of requirements.

3.4 To qualify for the award of the graduate diploma at the pass level a candidate must complete 48 credit points selected from Table G, the faculty’s table of graduate units of study, meeting the requirements specified in the table of requirements.

3.5 To qualify for the award of the graduate certificate at the pass level a candidate must complete 24 credit points from Table G, the faculty’s table of graduate units of study, meeting the requirements specified in the table of requirements.

3.6 Candidates may substitute graduate units of study from outside the faculty’s table of graduate units of study to the limits shown in the table of credits and substitutions for graduate units of study.
Table of requirements

<table>
<thead>
<tr>
<th>Course/Stream</th>
<th>Grad Certificate</th>
<th>Graduate Diploma</th>
<th>Masters</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min. Core</td>
<td>Min. Options</td>
<td>Max. Elective</td>
</tr>
<tr>
<td>Architectural Design</td>
<td>24</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Architectural History, Theory &amp; Criticism</td>
<td>24</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Master of Architecture (Architectural and Urban Design)</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Certificate, Diploma, Masters in Design Science</td>
<td>18</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Audio Design</td>
<td>24</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Building Design</td>
<td>18</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Design Computing</td>
<td>18</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Digital Media</td>
<td>18</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Facilities Management</td>
<td>24</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Illumination Design</td>
<td>24</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sustainable Design</td>
<td>18</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Certificate, Diploma, Masters in Facilities Management</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Certificate, Diploma, Masters in Heritage Conservation</td>
<td>18</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Certificate, Diploma, Masters in Urban Design</td>
<td>18</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Master of Urban Design (Urban Design and Planning)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Certificate, Diploma, Masters in Urban &amp; Regional Planning</td>
<td>16</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Heritage Conservation</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Housing Studies</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Urban Design</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

4. Requirements for the master degree with honours
4.1 To qualify for the award of the master degree with honours candidates shall complete a 24 credit point dissertation either:
4.1.1 within the credit point requirements of the pass degree; or
4.1.2 in addition to the credit point requirements of the pass degree and
4.1.3 satisfy the requirements for the award of honours.
4.2 All honours degrees shall be completed in addition to the credit point requirements of the pass degree except:
4.2.1 Master of Urban and Regional Planning.
4.3 To qualify to enrol in the dissertation a candidate must have
4.3.1 the approval of the program or primary coordinator, including having an agreed supervisor, and
4.3.2 in degrees where honours is awarded within the credit points required for the pass degree, a candidate must have achieved a weighted average mark of at least 75 in all other coursework required for the award of the degree; or
4.3.3 in degrees where honours is awarded in addition to the credit points required for the pass degree, a candidate shall:
4.3.3.1 have qualified for the award of the pass master degree; or
4.3.3.2 be a pass graduate of a master degree of the faculty; and
4.3.3.3 have completed the pass degree with a weighted average mark of at least 75.
4.4 To satisfy the requirements for the honours degree a candidate must complete the dissertation with a grade of at least distinction.

5. Award of the certificate, diploma or master degree
5.1 A candidate who enrols in the following semester in a higher level award course in the same embedded program will not graduate until the completion of the highest award attempted.
5.2 A candidate who has completed the requirements for a course and who does not enrol in the following semester in a higher level embedded course in the same program will graduate from that course.

[Section 2]

6. Cross institutional enrolment
6.1 Provided that permission is obtained in advance, the Dean may permit a student to complete a unit of study at another institution and have that unit credited to his/her course requirements, provided that:
6.1.1 the unit of study content is not taught in any corresponding unit of study in the university; or
6.1.2 the student is unable for good reason to attend a corresponding unit of study at the university; and
6.1.3 the total credit points does not exceed the maximum allowable credit for the course as listed in the table of credits and substitutions.

7. Restrictions on enrolment
7.1 Except with the permission of the Dean, a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.
7.2 Candidates may not enrol in undergraduate units of study.
8. **Suspension of candidature**

8.1 Unless suspension of candidature has been approved by the Dean, a student is required to re-enrol each calendar year.

8.2.1 A student who has completed units of study may, with the permission of the Dean, suspend candidature for up to two semesters.

8.2.2 At the end of that time the student may reapply to extend the suspension for a maximum of another two semesters.

8.2.3 After that time, or if extension is denied, the candidature will be deemed to have lapsed and the student shall be required to reapply for admission to the degree.

9. **Re-enrolment after an absence**

9.1 Except where the Dean determines otherwise in any particular case, a candidate who re-enrolls after an absence or a suspension of candidature for any period shall proceed under the by-laws and resolutions in force at the time of re-enrolment.

10. **Satisfactory progress**

10.1 The Dean may require a candidate:

10.1.1 to show good cause why he or she should be allowed to re-enrol in a unit of study which has been failed or discontinued twice; and/or

10.1.2 to show good cause why he or she should be allowed to re-enrol in the faculty if in any year of attendance he or she fails to gain at least 50 per cent of the credit points attempted.

11. **Time limits**

11.1 A candidate for the master degree, graduate diploma or graduate certificate may proceed either full- or part-time.

11.2 All candidates shall complete the requirements for the master degree, graduate diploma or graduate certificate no later than at the end of the tenth semester of candidature.

11.3 All candidates must complete the requirements for the master degree, graduate diploma or graduate certificate within eight calendar years of first enrolment.

12. **Assessment**

12.1 When a student is permitted to submit additional work other than on the grounds of illness or misadventure, and the temporary grade INC has been given, the maximum result that may be awarded is 50 Pass.

12.2.1 A student's weighted average mark (WAM) shall be calculated using the formula:

\[
WAM = \frac{\sum (M \times CPA \times CPw)}{\sum (CPw)}
\]

where M is the mark achieved, CPA is the credit points attempted and CPw is the credit point weighting of any given unit of study. The weighting is determined by the faculty administering the unit.

12.2.2 In the Faculty of Architecture, a weighting of 1 is given to junior units, 3 for senior units and 3 for graduate units.

13. **Credit transfer policy**

13.1 The total amount of credit that may be granted is listed in the table of credits and substitutions for graduate units of study.

13.2 Candidates may receive credit for coursework previously completed in relevant fields of study and/or on the basis of prior non-credentialled learning or experience to the limits shown in the table of credits and substitutions for graduate units of study provided that the credit is specified as equivalent to existing units of study in the table of graduate units of study (except general electives, graduate internships and dissertations) for the degree, graduate diploma or graduate certificate.

13.3 Credit shall not be granted for units of study completed more than nine years prior to commencement.

13.4 Credit shall not be granted for units of study gained with a "concessional pass" or equivalent.

13.5 "Substitution" means credentialled learning from a recognised tertiary institution taken outside the Faculty's Table of graduate units of study, while enrolled in the relevant program, including study in another faculty and cross institutional study. In all cases the approval of the Associate Dean (Graduate Studies) must be sought before commencement of such study.

13.6 A graduate of the Master of Information Technology at the University of Sydney may be granted a maximum of 24 credit points of credit from coursework undertaken in that degree, towards the core, optional and/or elective requirements of the Master of Design Science (Design Computing) or Master of Design Science (Digital Media). In all other circumstances and regards resolutions 13.1 to 13.5 apply.

13.7 A graduate of the Bachelor of Design in Architecture (Urban Design and Planning) at the University of Sydney may be granted a maximum of 24 credit points of unspecified credit from coursework undertaken in that degree, towards the elective requirements of the Master of Urban and Regional Planning. In all other circumstances and regards resolutions 13.1 to 13.5 apply.

**Table of credits and substitutions for graduate units of study**

<table>
<thead>
<tr>
<th>Award course Level</th>
<th>Maximum credit points</th>
<th>Credit Substitution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master degrees</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Graduate diplomas</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Graduate certificates</td>
<td>12**</td>
<td></td>
</tr>
</tbody>
</table>

*Not more than 12 credit points of which can be credited towards the core unit requirements.*

**Credit will be granted only for units from the faculty's table of graduate units of study completed prior to commencement of candidature as non degree study.**

14. **Transfer**

14.1 Subject to admissions criteria being met and there being available places, a candidate may transfer to any other graduate course or specialisation, with the approval of the Dean.

15. **Supervision**

15.1 Every candidate for a postgraduate coursework award shall have a coordinator, who will advise and approve the candidate's program of study. The coordinator will be the program/stream coordinator and in the case of the 96 credit point Master of Design Science at the pass level, will be the coordinator of the primary stream.

16. **Transitional provisions**

16.1 These resolutions shall apply to:

16.1.1 persons who commence their candidature after 1 January 2007; and

16.1.2 persons who commenced their candidature prior to 1 January 2007 and who elect to proceed under these resolutions.

16.2 A candidate for the degree who commenced candidature prior to 1 January 2007 may complete the requirements in accordance with the resolutions in force at the time the candidate commenced, provided that the candidate shall complete the requirements by 1 January 2011 or such later date as the Faculty may, in special circumstances, approve.
18. Postgraduate coursework regulations
19. Postgraduate research information

Research degrees

The Faculty of Architecture offers three research degrees, The Doctor of Science (Architecture), Doctor of Philosophy and the Master of Philosophy (Architecture). As well as the information in this book candidates should also acquire a copy of the Postgraduate Research Studies Handbook available free from the Student Administration Centre or on line. This publication is an important resource for policies and practical advice relating to your candidature.

Master of Philosophy (Architecture) (MPhil(Arch))
The research master's program allows a candidate to undertake research and advanced specialisation in any of the areas of scholarship and research undertaken by the Faculty. Entry requirements for the MPhil(Arch) include a bachelor degree in a relevant discipline. The program is generally completed in four semesters full-time or eight semesters part-time. The final thesis for the Master of Philosophy (Architecture) is expected to be in the range of 30,000 - 60,000 words.

Doctor of Philosophy (PhD)
This research degree is awarded for a thesis considered to be a substantial, original contribution to the discipline concerned. Entry requirements include a research master's degree or a bachelor's degree with first or second class honours. Alternatively you may be admitted having passed a qualifying examination at an equivalent standard. This examination could be completion of a period of relevant advanced study and research towards a master's degree at The University of Sydney. The PhD is normally completed within eight semesters full time or 16 semesters part time. The final thesis for the Doctor of Philosophy (Architecture) is expected to be in the range of 50,000 - 80,000 words.

Doctor of Science in Architecture (DScArch)
This degree is awarded for published work which, in the opinion of the examiners, has generally been recognised by scholars in the field concerned as a distinguished contribution to knowledge or creative achievement. The candidate shall be a graduate of at least five years standing. If the candidate is not a graduate of The University of Sydney he or she must have been a full time member of academic staff of the University for at least 3 years or had a similar significant involvement in the teaching and research of the University. The university resolutions describing the degree appear in the University Calendar.

Disciplines

The Faculty of Architecture is a multidisciplinary faculty. Within the structure of the Faculty there are no formal schools or departments. However, to assist research students to maintain a close relationship to other students and academics of similar academic interest to them, a range of "disciplines" have been established. These are (with Discipline Head in parentheses):

- Architecture and Allied Arts (Professor Tom Heneghan)
- Architectural and Design Science (Associate Professor Warren Julian)
- Design Computing and Cognition (Professor John Gero)
- Environment–Behaviour Studies (Professor Gary Moore)
- Urban and Regional Planning and Policy (Professor Ed Blakely)

The disciplines are notionally under the leadership of the professor of the academic area, or senior associate professor, and usually closely involve research students, postdoctoral fellows and visiting scholars as well as academic staff of that discipline. Their purpose is to promote a stimulating and productive atmosphere for research and research students and to promote discussion amongst like-minded research students and academics about their own research and other contemporary topics. This is usually done through a regular weekly (or other period) research seminar.

As part of their probationary requirements, research students are expected to make a public presentation of their research topic, before the end of the first 12 months of candidature. The primary audience, apart from the supervisor, associate supervisor, and other academic staff and researchers with close interest in the subject, is students in the discipline. It is anticipated however, that such presentations are made known to the entire Faculty staff and research student body.

Disciplines have no official status for students and are not recorded on academic transcripts.

Students are directed to a discipline by the Student Administration Centre on the basis of the academic interests of their supervisor. However, it is up to the student to take an interest in that group or any other group.

Requirements of your candidature

All students are required to make timely progress with their research and to submit their theses on time. Students commencing from 2005 have the following maximum time limits:

- PhD – full-time candidature: 8 semesters
- PhD – part-time candidature: 16 semesters
- MPhil – full-time candidature: 4 semesters
- MPhil – part-time candidature: 8 semesters

It is important that you keep in regular contact with your supervisor, ideally meeting once a week especially during crucial periods of your candidature. To ensure that students progress satisfactorily, all research students are placed on probation for two semesters and are required to fulfill certain criteria. These are listed below. Once the Service requirements have been completed satisfactorily, candidature will proceed on a permanent basis.

Any change in candidature (such as suspension or change in supervisor) must be agreed with your supervisor and notified in writing to the Student Administration Centre.

Probationary requirements

The requirements for satisfactory completion of the probationary period include:

- (a) the submission of a satisfactory Research Proposal to the candidate’s PhD committee;
- (b) the presentation of the Research Proposal to the candidate’s committee at a public seminar;
- (c) demonstration of adequate English language competency to the candidate’s committee;
- (d) completion of the unit of study ARCF 9001 Modes of Inquiry: Research and Scholarship in the first or second semester of enrolment;
- (e) satisfactory completion of a structured first year as determined by the Associate Dean (Research) in consultation with supervisors in disciplinary areas;

For the latest updates, visit Handbooks online.
http://www.usyd.edu.au/handbooks
(f) a recommendation from the candidate’s supervisor, on the advice of the candidate’s committee, that the probationary requirements have been met.

Students in the Urban and regional Planning and Policy discipline are required to enrol in the unit of study ARCF9002 Nature of Theory in addition to Modes of Inquiry. Students of other disciplines are also encouraged to enrol.

Supervision committee
A supervision committee is established for each candidate during their probationary year and consists of your supervisor and one or more other members of the academic staff selected by your supervisor in consultation with you.

The role of the committee is to act both as a resource concerning candidate and as an assessment committee for your probationary requirements. As part of the committee you need to select an associate supervisor, if one has not already been appointed.

Guidelines for your research proposal
The first year of the MPhil and PhD is probationary. You need to demonstrate that you are capable of carrying out doctoral- or master’s-level research at The University of Sydney and to satisfy the probationary requirements listed in the Faculty resolutions and set by your supervisor. During this year students are expected to demonstrate the capacity to undertake research at a doctoral or master’s degree level. This is done through the development, submission, presentation and assessment of a formal research proposal. The thesis research proposal is presented to your PhD committee. It is on the basis of your research proposal that your committee makes a recommendation concerning your continuing candidature.

The research proposal should be 7,000 to 12,000 words long (15–25 pages) and include the following:
(a) the area and focus of the proposed research, along with a set of aims and objectives and the importance of the research;
(b) critical literature review that establishes the background of the proposed research and identifies gaps that this research proposal will address;
(c) an indication of the ability to make progress with the research;
(d) research plan including research design, details of methods, management plan and time lines tied to the objectives; and
(e) potential outcomes if the research is successful.

Your formal research proposal should demonstrate adequate language skills and your ability to successfully complete such a program. Research proposals will be presented at a public research seminar.

Criteria used to evaluate research proposals
The general criteria used to evaluate student research proposals are as follows:
(a) Are the aims and objectives clearly stated, feasible and consistent with the Faculty’s research interests?
(b) Does the student demonstrate knowledge of the key areas of the research literature?
(c) Is the research plan viable?
(d) Is the proposed methodology sound and feasible?
(e) Do the potential outcomes merit the research proposal?
(f) Are there adequate resources available to enable the candidate to complete the proposed research?
(g) Do the proposal and its written and oral presentation indicate a satisfactory command of English, sufficient to enable the applicant to undertake MPhil or PhD research at The University of Sydney?

The major part of the research must be completed within the University, although a period of six months’ leave may be granted by the Associate Dean (Research) to enable fieldwork to be completed.

Annual progress report & interview
You are required to submit a progress report annually (usually in October), regardless of when you commenced your candidature. This is reviewed by your supervisor and the Associate Dean (Research) and you will be notified of the result of this review, when any problem areas or training needs will be identified. Around the time of your first annual progress review, you will be interviewed by the Associate Dean (Research) to discuss your general progress, facilities, resources, and supervision.

Suspension of candidature
If you need to suspend your candidature, you should put your request in writing (stating the reasons) to your supervisor, who will then make a recommendation via the Student Administration Centre to the Associate Dean (Research) for approval. A form for the purpose may be found on the Current Students page of the Faculty web site. You will receive written confirmation of the suspension. Suspension of candidature is by semester and except with the approval of the Associate Dean, you may suspend your candidature for a total of two full-time semesters only. During suspension your RTS (Research Training Scheme) scholarship will be suspended, as will scholarship payments. You will be granted an extension to your candidature equivalent to the length of the suspension. International students may be required to leave the country whilst their candidature is suspended and should seek advice from the International Office before taking any action.

Leave of absence
If you need to take a break from your research for less than a semester, a leave of absence may be granted. You should follow the same procedure as for suspension (see above). You will not be granted an extension to your candidature for a leave of absence but, you may, if not quite finished by the due date, apply for an extension equivalent to the length of absence.

Extension of time
If, as your latest submission date approaches, it becomes obvious that you need more time, you are urged to discuss this with either the Student Administration Centre or the Associate Dean (Research) at the first available opportunity. Late submission of theses is a serious concern for the Faculty and the earlier we know about it the easier it will be to take action to help you and us.

Coursework for research students
Students in research degrees may include up to 24 credit points of coursework in their studies, including Modes of Inquiry. Students in the discipline of Urban & Regional Planning & Policy are also required to complete the unit Nature of Theory in their first year of candidature. Students in other disciplines are also encouraged to take the unit.

Students who require some background in a particular area that is of relevance to their research may, with the support of their supervisor, request to enrol in other undergraduate or postgraduate units of study offered by this or other faculties.

Units of study that are made available in the Faculty of Architecture with research students in mind are listed below.

Units of study descriptions
ARCF9001
Modes of Inquiry: Research & Scholarship
Credit points: 6
Teacher/Coordinator: Prof. Gary Moore
Session: Semester 1, Semester 2
Classes: 6 hours per week seminars and presentations
Assessment: Assessment is based on (1) evidence of having done and understood the readings as evidenced by critical contributions to class discussions, and (2) a preliminary research proposal between 2500-3000 words and no more than 15 pages. Final research proposals for partial satisfaction of probationary requirements will remain the responsibility of the student in association with your Supervisor.) In assessing submissions, attention will be placed on evidence of development in four areas: (1) grasp of the subject matter of different modes of inquiry, research approaches and research methods, (2) the organisation of knowledge about research and scholarship, (3) ability to critically evaluate methods used in studies and (4) original thinking regarding
ARCF9002  
Nature of Theory  

Credit points: 6  
Teacher/Coordinator: Professors Gary Moore, Edward Blakely and staff  
Session: Semester 2  
Classes: Lectures Assessment: 1 assignment  
Mode of delivery: Normal  
Note: Permission required unless enrolled in a research degree. Required unit for MPhil and PhD students in the EBS or URPD disciplines.

The purposes of this seminar are (1) to show research students how to trace the intellectual roots of their discipline and find the relevant theoretical literature in their field so that they can build their research thesis or dissertation on strong theoretical grounds, and (2) to provide research students with an understanding of the different theoretical perspectives and their philosophical presuppositions that underlie research in the disciplines covered by the Faculty (e.g., initially but not limited to environment, behaviour and society, and urban and regional planning and policy). The seminar will examine a number of different ways of conceptualising theory, and their philosophical presuppositions, and will look at a range of 'paradigms' and specific concepts. It will also look at a range of theoretical perspectives and specific theories pertinent to research in the disciplines of the Faculty. In the first years of offering, the focus will be on empirical science-informed field-based research, i.e., research with a social empirical field component. The range of theoretical perspectives will include but not be limited to positivism, modernity and postmodernity, interactionalism, transactionalism and phenomenology, complex systems theory and chaos theory, and particular theories representative of each perspective. The seminar will also examine the philosophical nature of theory, the history and philosophy of science of theory, similarities and differences between explanatory and prescriptive theories and strategies for theory development, and will ask the question whether it is possible to have theories that are both explanatory that contribute to knowledge and normative that contribute towards policy, planning or design. The primary objective is to enable research students to understand the theoretical roots of their discipline, to appreciate the similarities and differences between different theoretical stances to research appropriate for this Faculty, to examine the applicability of current theoretical directions and particular theories to architectural, environmental, and urban policy, planning, consulting and design, and to be prepared to use and develop specific theories in their own research work. Upon successful completion of this unit, students are expected to have a critical understanding of the range of theoretic perspectives in use and capable of being in use across the disciplines associated with this Faculty and a deep critical understanding of the theoretical perspectives and particular theories appropriate for their own research.

DESC9184  
Computational Intelligence & Application  

Credit points: 6  
Teacher/Coordinator: Dr David Gunaratnam  
Session: Semester 1  
Classes: Lectures Assessment: Three assignments (one based on student's research interest)  
Mode of delivery: Normal  

The unit aims to introduce students to the four major computational intelligence paradigms: neural networks, fuzzy logic, evolutionary computing, and swarm intelligence. It explores and identifies generic classes of problems, in different application areas that can be solved by using the four paradigms, and introduces the different models and methods available for solving generic problems in each of the four paradigms. It investigates the different pre-processing techniques, representational schemes and strategies available for improving the performance of each of the paradigms and explores hybrid approaches based on two or more of the paradigms for solving generic problems. At the completion of the unit each student is expected to have demonstrated through the assessment tasks: a good understanding of the characteristics and capabilities of the different computational intelligence models and methods; an ability to associate a problem in a given application area with a generic problem class and select and develop an appropriate computational model; a good understanding of the theoretical bases for the features in the software tools available for the different paradigms; an ability to develop computational models for applications within their own disciplines based on at least one of
Research centres

AHURI Housing and Urban Research Centre

The AHURI Research Centre is a University-wide research centre housed in the Faculty. Concerned with the breadth of housing research concerns, current research is focusing on the socio-cultural, economic and health impacts of housing, the comparative assessment of housing worldwide and the analysis and development of Australian housing policy. Like all research centres in the Faculty, it offers the opportunity to carry out research towards the MPhil(Arch) or PhD under supervision of internationally recognised academic staff actively working on these and other research questions.

Ian Buchan Fell Housing Research Centre

Ian Buchan Fell, who died in 1961, left the income from his estate to the University for the promotion and encouragement of education and research on housing. The Centre is concerned with the needs of people relative to their housing. These needs are related to the complex interactions between people, their housing and other aspects of the built environment.

Planning Research Centre

The Planning Research Centre's main purpose is to further fundamental research into physical planning and development. It also sponsors seminars in specialised fields, undertakes research and consultancy projects, runs professional development courses, and promotes the publication of research material. It has an active membership comprised of members of government and industry.

Key Centre of Design Computing and Cognition

The Key Centre of Design Computing and Cognition was established by the University with funding provided by the Department of Employment, Education and Training. The Key Centre's principal objectives are to improve the effectiveness and competitiveness of designers by providing better design decisions support through advanced computing technology. The philosophy of the Key Centre is to consider design as a discipline in its own right, requiring an interdisciplinary approach to its computational support. The Key Centre carries out research, teaching, development and consulting in the areas of design computing and design cognition. The Web site is at www.arch.usyd.edu.au/kccd/.

Areas of research interest

The research interests of staff members fall into the following broad areas of internationally recognised research expertise:

Architecture and Allied Arts

For further information contact Professor Tom Heneghan (heneghan@arch.usyd.edu.au) or any member of the discipline.

Architectural Education

Current work is concentrated on a study of construction and design teaching and on the learning preferences of students entering architecture. (Researchers: Purcell, Smith, Sodersten)

Architectural History, Theory and Criticism

Recent publications have been based on research in twentieth century Australian architecture, Asian art and architecture, French medieval architecture and theatre history. (Researchers: Armstrong, Castillo, Heneghan, Hill, Howells, Rubbo)

Children, Youth and Environments

The development and testing of scales for the assessment of children's architecture, comparative evaluation of early childhood development centres worldwide and theories of child development and the socio-physical environment. (Researcher: Moore)

Environmental Experience, Perception and Cognition

Research on environmental experience, perception and cognition including preference and evaluation of the built environment, aesthetic assessment, perception, environmental quality and cultural identity. (Researchers: Lamb, Moore, Purcell)

Heritage Conservation

Research has been undertaken on landscape conservation, cultural identity in international urban programs, conservation of render and decorative plasterwork, and facade retention. (Researchers: Howells, Lamb)

Housing

Research on the socio-cultural, health and economic impacts of housing, for the comparative assessment of housing in Australia and policy issues in social including indigenous housing. (Researchers: Moore, Pholeros)

Architectural and Design Science

For further information contact Associate Professor Warren Julian (warren@arch.usyd.edu.au) or any member of the discipline.

Audio and Acoustics

Research into acoustics includes auditorium acoustics, auditory perception, community noise assessment and environmental acoustics. Audio research includes alternative methods of controlling feedback in audio systems, analysis and synthesis of stereo and multi-channel recording and reproduction systems, the establishment of acoustic criteria, and harmonic form in sound art. (Researchers: Cabrera, Frick, Goldberg, Helyer, Theile)

Illumination

Research includes lighting and visual comfort models, daylighting and sky illuminance models, daylight perception. (Researchers: Hayman, Julian, Ruck)

Neural Networks

Research includes the application of neural networks to structural design and fire safety engineering. (Researcher: Gunaratnam)

Sustainable Design

Research includes the form and spacemaking potential of energy and environmental issues and the quality of those spaces created, the history of climatic design in Australia, the exploration of contemporary wind-catchers, the aerodynamic performance of traditional Indian architecture and the use of phase change storage materials in buildings. (Researchers: Forwood, Hayman)

Design Computing and Cognition

For further information contact Professor John Gero (john@arch.usyd.edu.au) or any member of the discipline.

Agents in Design

Computational agents are active software that interacts with the environment. Current research relates to their use in creative design, virtual environments and web-related design. (Researchers: Gero, Maher)

Computational Models of Design

The development of models of case-based reasoning in design, emergence in design, qualitative representation and reasoning with shapes and objects, design grammars and creative design. (Researchers: Gero, Maher, Rosenman)

Computer-Mediated Collaborative Design

Research on computer-mediated collaborative design includes the development, use and effect of multi-user tools and techniques, models of collaborative design processes and communication and the
behaviour of designers while designing with computer-mediation. (Researcher: Maher)

**Design Cognition**
Research on the cognitive studies of designers includes fixation, the role of protocol studies and the analysis of the information and cognitive structures which map onto human design activities. Research on the role of sketching in design includes the development of methodologies and the construction of experimentally-based models of the differing roles of sketching. (Researchers: Gero, Purcell)

**Evolutionary Design**
Research includes evolutionary systems in design, co-evolutionary design, genetic engineering applied to design, and biological development models applied to design. (Researchers: Gero, Maher, Rosenman)

**Machine Learning in Design**
Research on learning and representation in design includes constructive memory models of designing, situatedness in models of designing, and knowledge discovery in multimedia design cases. (Researchers: Gero, Maher, Rosenman)

**Virtual Architecture**
Research issues include the needs for and use of virtual places, models for the representation and design of virtual worlds, intelligent interfaces to virtual worlds and the role of the architecture metaphor in creating virtual places. (Researchers: Beilharz, Maher)

**Urban and Regional Planning and Policy**
For further information contact Martin Payne (martin@arch.usyd.edu.au) or any member of the discipline.

**Planning Procedures**
Research interests include: rural community planning; national parks and World Heritage areas; planning procedures in NSW; housing policy. (Researcher: Gurran)

**Urban Development and Planning Theory and Practice**
Research interests are primarily concerned with the preparation of planning arguments, especially in the area of urban development, local government and planning procedures. (Researchers: Payne)

**Housing**
Research interests include measuring housing need, the non-shelter impacts of housing, increasing the supply of affordable housing, policy issues in social housing, housing and social capital. (Researchers: Gurran, Milligan)

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**Resolutions of the Faculty for research degrees**

**Faculty Resolutions**

**Master of Philosophy (Architecture)**

*The resolutions of the Senate relating to the Master of Philosophy (Architecture) can be found in the 2006 University Calendar.*

1. **Admission to candidature**
   1.1 The Dean may admit to candidature a person who has:
   1.1.1 qualifications equivalent to those required of a graduate of the University of Sydney;
   1.1.2 submitted a statement of research interest in an area that the faculty can supervise; and
   1.1.3 met the English language requirement as set by the faculty.

2. **Appointment of supervisor and committee**
   2.1 The Dean shall appoint a member of the full-time or fractional academic or research staff of the department of the Faculty in which the candidate is proceeding towards a research master’s degree to act as supervisor of the candidate for a research master’s degree. The Dean may also appoint an associate supervisor who may be a member of the academic or research staff of the university, an honorary associate or a person with appropriate qualifications in another institution or organisation.

2.2 For each candidate the Dean shall appoint a committee, on advice of the supervisor, to assist in the progress of the candidate prior to the presentation of the research proposal.

3. **Probationary period**
   3.1 A candidate for the MPhil (Arch) is on probation for a minimum of one semester and a maximum of two semesters.
   3.2 The criteria for satisfactory completion of probation include:
   3.2.1 the submission of a satisfactory research proposal to the candidate’s committee;
   3.2.2 the presentation of the research proposal to the candidate’s committee at a public seminar;
   3.2.3 demonstration of adequate English language competency to the candidate’s committee;
   3.2.4 completion of the unit Modes of Inquiry: Research and Scholarship;
   3.2.5 satisfactory completion of a structured first year as determined by the Associate Dean (Research) in consultation with supervisors in faculty disciplines; and
   3.2.6 a recommendation from the candidate’s supervisor, on the advice of the candidate’s committee, that the probationary requirements have been met.

3.3 A candidate who has not satisfied the probationary requirements at the end of 12 months will have the candidature terminated.

4. **Satisfactory progress**
   4.1 Once a year, the candidate will be interviewed by the Associate Dean (Research) and the relevant head of department (unless one is the supervisor) to discuss facilities, resources, and supervision. If arrangements are not satisfactory, the Associate Dean (Research) will advise on supervisory arrangements and facilities.

4.2 Candidates are required to submit an annual progress report to the Associate Dean (Research). If progress is not satisfactory, the Dean may terminate the candidature.

5. **Suspensions of candidature**
   5.1 Candidates wishing to seek suspension of their candidature must seek formal permission to do so from the Dean.
   5.2 Except with approval of the Dean, a candidate for a research degree in the Faculty may only suspend candidature for periods totalling no more than two semesters.

6. **Coursework**
   6.1 A candidate for the MPhil(Arch) is permitted or may be required to enrol in a maximum of 24 credit points of coursework.

7. **Thesis requirements**
   7.1 Not earlier than the minimum period of candidature, candidates proceeding by research shall:
   7.1.1 lodge with the faculty three copies of a thesis embodying the results of an original investigation carried out by the candidate;
   7.1.2 state in the thesis, generally in the preface and specifically in the notes, the sources from which the information was derived, the extent to which the candidate has made use of the work of others and the portion of the thesis which is claimed to be original; and
   7.1.3 not lodge as the candidate’s work any work previously submitted for a degree of the University of Sydney or any other university, but may incorporate such work in the thesis, provided that the candidate indicates the work so incorporated.

7.2 A thesis submitted for examination shall be accompanied by a certificate from the candidate’s supervisor stating, whether in the supervisor’s opinion, the form of presentation of the thesis is satisfactory.

8. **Form of a thesis**
   8.1 A thesis submitted for examination may be bound in either a temporary or permanent form.

8.2 Temporary binding must be able to withstand ordinary handling and postage. The preferred form of binding is the “perfect binding” system; spring back, ring-back or spiral binding is not permitted.

8.3 The cover of a temporarily bound thesis must have a label showing the candidate’s name, name of the degree, title of the thesis and the year of submission.

8.4 The requirements for permanent binding are given in the University’s statutes and regulations, under the statutes governing the degree of Doctor of Philosophy.
8.5 Following examination and emendation if necessary, at least one copy (the University of Sydney library copy) of the thesis, on archival paper, must be bound in a permanent form.

8.6 If emendations are required, all copies of the thesis which are to remain available within the University must be amended.

9. Examination of a thesis

9.1 For candidates proceeding by research the Dean shall appoint two examiners, at least one of whom shall be external to the University. The examiners shall report to the Dean.

Doctor of Philosophy

The PhD is a University degree and follows the resolutions of the Academic Board. They are printed in full in the Postgraduate Studies Research Handbook and may be found at www.usyd.edu.au/su/calendar. The University of Sydney (Doctor of Philosophy (PhD)) Rule 2004 is printed later in this handbook. The faculty has resolutions additional to those of the Academic Board:

1. Form of assessment

1.1 A candidate for a research degree shall proceed by research and submission of a thesis.

2. Admission to candidature

2.1 The Dean may admit to candidature a person who has:

2.1.1 a master's degree or a bachelor's degree with first or second class honours;

2.1.2 submitted a statement of research interest in an area that the faculty can supervise; and

2.1.3 met the English language requirement as set by the faculty.

3. Appointment of committee

3.1 For each candidate the Dean shall appoint a committee, on advice of the supervisor, to assist in the progress of the candidature prior to the presentation of the research proposal.

4. Probationary period

4.1 A candidate for the PhD is on probation for two semesters.

4.2 The criteria for satisfactory completion of probation include:

4.2.1 the submission of a satisfactory research proposal to the candidate's committee;

4.2.2 the presentation of the research proposal to the candidate's committee at a public seminar;

4.2.3 demonstration of adequate English language competency to the candidate's committee;

4.2.4 completion of the unit Modes of Inquiry: Research and Scholarship;

4.2.5 satisfactory completion of a structured first year as determined by the Associate Dean (Research) in consultation with supervisors in disciplinary areas; and

4.2.6 a recommendation from the candidate's supervisor, on the advice of the candidate's committee, that the probationary requirements have been met.

4.3 A candidate who has not satisfied the probationary requirements at the end of two semesters will have the candidature terminated.

4.4 A PhD candidate who has not satisfied the probationary requirements at the end of two semesters may be permitted to transfer their candidature to the MPhil(Arch).

5. Satisfactory progress

5.1 Once a year, the candidate will be interviewed by the Associate Dean (Research) and the relevant head of department (unless one is the supervisor) to discuss facilities, resources, and supervision. If arrangements are not satisfactory, the Associate Dean (Research) will advise on supervisory arrangements and facilities.

5.2 Candidates are required to submit an annual progress report to the Associate Dean (Research). If progress is not satisfactory, the faculty may terminate the candidature.

6. Suspension of candidature

6.1 Candidates wishing to seek suspension of their candidature must seek formal permission to do so from the Dean.

6.2 Except with approval of the Dean, a candidate for a research degree in the faculty may only suspend candidature for periods totalling no more than two semesters.

7. Coursework

7.1 A candidate for the degree of Doctor of Philosophy is permitted or may be required to enrol in a maximum of 24 credit points of coursework.
The Sydney Summer and Winter Schools

The Summer School
The Summer School is a full fee-paying, intensive program offering high quality undergraduate and postgraduate units of study from most faculties. These units of study are the same as those offered in Semesters One and Two, but are taught as an intensive program over summer. Some classes commence in December, others commence in January and continue into February (including the exam week). Some units of study run for seven weeks others are shorter. Students can take a maximum of two units of study.

The Winter School
The Winter School is held every July during the academic year. The Winter School is a smaller, more intensive three week program.

Advantages
Attending classes at Sydney University during summer offers many advantages. You can:

• use this time to accelerate your academic career and to finish your degree sooner
• devote your full attention to a single area of study
• take courses that might be outside your normal degree
• reduce your workload throughout the rest of the year
• repeat units of study in which you may have been unsuccessful
• combine study with a field trip in Australia or a tour overseas.

For high school graduates, you can

• sample a university program
• get a head start on your degree.

How to apply
Applications will only be accepted online. Our website is www.summer.usyd.edu.au

Some units have limited places and fill very quickly. All places are filled strictly on a first in first served basis so it is recommended that you apply early.

Applications open on 27 September 2006.
Applications close on 15 December 2006.

Census dates – Summer School 2007
Students can withdraw from their unit of study without academic penalty and receive a full refund until the census date. However, a late withdrawal fee may apply. As classes start throughout December to February there are three census dates for the Summer School. These are based on when the class commences.

<table>
<thead>
<tr>
<th>ID</th>
<th>Session name</th>
<th>Classes begin</th>
<th>Census date</th>
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<tbody>
<tr>
<td>42</td>
<td>Summer Dec</td>
<td>11 December</td>
<td>2 January</td>
</tr>
<tr>
<td>43</td>
<td>Summer Main</td>
<td>4 January</td>
<td>12 January</td>
</tr>
<tr>
<td>44</td>
<td>Summer Late</td>
<td>12 January</td>
<td>6 February</td>
</tr>
</tbody>
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*42 Summer Dec: Allows for a unit to run for 3–9 weeks, provided that the 20 per cent criterion is met.
**44 Summer Late: Last exam must be held by 1 March.

Withdrawal and Refund policy
For classes commencing in December 2006, students withdrawing from a Summer School unit of study from 28 November 2006 to 2 January 2007, will receive a refund of tuition fees but will be liable for a $500 late withdrawal fee.

For classes commencing after 4 January 2007, students withdrawing from a Summer School unit of study from 16 December 2006 to 12 January 2007, will receive a refund of tuition fees but will be liable for a $500 late withdrawal fee.

For classes commencing after 12 January 2007, students withdrawing from a Summer School unit of study from 16 December 2006 to 6 February 2007, will receive a refund of tuition fees but will be liable for a $500 late withdrawal fee.

Students may withdraw from their Summer School unit(s) of study up until 4pm on the last day of the Teaching Period for that particular unit of study. However, there may be an academic penalty (please refer to our website). The Teaching Period for purposes of this policy is defined in hours of published classes from the first day through to the last day of classes, excluding any final examination or assessment.

Students withdrawing from a Summer School unit of study after 4pm on the relevant census date will receive no refund of their tuition fee.

Transferring between Summer School units
There will be no penalty if a student changes between units of study in the Summer School before the commencement of class. However NO transfers will be allowed after the commencement of the class.

Summer School scholarships
Merit scholarships
Only four merit scholarships are available and are automatically awarded to the top four students who achieve the highest results in their Summer School unit of study.

Educational/Financial Disadvantage scholarships
Partial or full Summer School scholarships are available to local undergraduate students for the Summer School with a good academic record. To be eligible for consideration you will need to provide evidence of long-term and serious educational disadvantage based on two or more criteria, one of which must be financial hardship. Please check our website for further details. Applications close on 27 October 2006.

For more information
Web: www.summer.usyd.edu.au
Email: info@summer.usyd.edu.au
Phone: +61 2 9351 5542
Fax: +61 2 9351 5888

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http://www.usyd.edu.au/handbooks

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University of Sydney (Coursework) Rule 2000 (as amended)

Approved by: Senate on 4 December 2000
Date of effect: 1 January 2001

Latest amendment approved by: Senate on 3 December 2001
Date of effect: 1 January 2002

[Section 1]

University Coursework Rule

Preliminary

Rules relating to Coursework Award Courses

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Division 2 Enrolment

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Division 8 Award of degrees, diplomas and certificates

Division 9 Transitional provisions

Preliminary

1. Commencement and purpose of Rule

1.1 This Rule is made by the Senate pursuant to section 37(1) of the University of Sydney Act 1989 for the purposes of the University of Sydney By-Law 1999.

1.2 This Rule comes into force on 1 January 2001.

1.3 This Rule governs all coursework award courses in the University. It is to be read in conjunction with the University of Sydney (Amendment Act) Rule 1999 and the Resolutions of the Senate and the faculty resolutions relating to each award course in that faculty.

Rules relating to coursework award courses

1. Definitions in this Rule:

1.1 award course means a formally approved program of study which can lead to an academic award granted by the University.

1.2 coursework means an award course not designated as a research award course. While the program of study in a coursework award course may include a component of original, supervised research, other forms of instruction and learning normally will be dominant. All undergraduate award courses are coursework award courses.

1.3 credit means advanced standing based on previous attainment in another award course at the University or at another institution. The advanced standing is expressed as credit points granted towards the award course. Credit may be granted as specific credit or non-specific credit.

1.3.1 specific credit means the recognition of previously completed studies as directly equivalent to units of study;

1.3.2 non-specific credit means a 'block credit' for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study; and

1.3.3 credit points means a measure of value indicating the contribution each unit of study provides towards meeting award course completion requirements stated as a total credit point value.

1.4 dean means the dean of a faculty or the director or principal of an academic college or the chairperson of a board of studies.

1.5 degree means a degree at the level of bachelor or master for the purpose of this Rule.

1.6 embedded courses/programs means award courses in the graduate certificate/graduate diploma/master’s degree by coursework sequence which allow unit of study credit points to count in more than one of the awards.

1.7 faculty means a faculty, college board, a board of studies or the Australian Graduate School of Management Limited as established in each case by its constitution and in these Rules refers to the faculty or faculties responsible for the award course concerned.

1.8 major means a defined program of study, generally comprising specified units of study from later stages of the award course and requiring a smaller number of credit points than a major.

1.9 minor means a defined program of study, generally comprising units of study from later stages of the award course and requiring the prior completion of a relevant undergraduate degree or diploma.

1.10 postgraduate award course means an award course leading to the award of a graduate certificate, graduate diploma, degree of master or a doctorate. Normally, a postgraduate award course requires the prior completion of a relevant undergraduate degree or diploma.

1.11 research award course means an award course in which students undertake and report systematic, creative work in order to increase the stock of knowledge. The research award courses offered by the University are: higher doctorate, Doctor of Philosophy, doctorates by research and advanced coursework, and certain degrees of master designated as research degrees. The systematic, creative component of a research award course must comprise at least 66 per cent of the overall award course requirements.

1.12 stream means a defined program of study within an award course, which requires the completion of a program of study specified by the award course rules for the particular stream, in addition to the core program specified by award course rules for the award course.

1.13 student means a person enrolled as a candidate for a course.

1.14 testamur means a certificate of award provided to a graduate, usually at a graduation ceremony.

1.15 transcript or academic transcript means a printed statement setting out a student's academic record at the University.

1.16 unit of study means the smallest stand-alone component of a student's award course that is recordable on a student's transcript. Units of study have an integer credit point value, normally in the range 3–24.

1.17 undergraduate award course means an award course leading to the award of an associate diploma, diploma, advanced diploma or degree of bachelor.

2. Authorities and responsibilities

2.1 Authorities and responsibilities for the functions set out in this Rule are also defined in the document Academic Delegations of Authority. The latter document sets out the mechanisms by which a person who has delegated authority may appoint an agent to perform a particular function.

2.1 The procedures for consideration of, and deadlines for submission of, proposals for new and amended award courses will be determined by the Academic Board.

Division 1: Award course requirements, credit points and assessment

3. Award course requirements

3.1 To qualify for the award of a degree, diploma or certificate, a student must:

3.1.1 complete the award course requirements specified by the Senate for the award of the degree, diploma or certificate concerned;
Division 2: Enrolment

7. Enrolment restrictions

7.1 A student who has completed a unit of study towards the requirements of an award course may not re-enrol in that unit of study, except as permitted by faculty resolution or with the written permission of the dean. A student permitted to re-enrol may receive a higher or lower grade, but not additional credit points.

7.2 Except as provided in section 7.1, a student may not enrol in any unit of study which overlaps substantially in content with a unit that has already been completed or for which credit or exemption has been granted towards the award course requirements.

7.3 A student may not enrol in units of study additional to award course requirements without first obtaining permission from the relevant dean.

7.4 Except as prescribed in faculty resolutions or with the permission of the relevant dean:

7.4.1 a student enrolled in an undergraduate course may not enrol in units of study with a total value of more than 32 credit points in any one semester, or 16 credit points in the summer session; and

7.4.2 a student enrolled in a postgraduate award course may not enrol in units of study with a total value of more than 24 credit points in any one semester, or 12 credit points in the summer session.

Division 3: Credit, cross-institutional study and their upper limits

8. Credit for previous studies

8.1 Students may be granted credit on the basis of previous studies.

8.2 Notwithstanding any credit granted on the basis of work completed or prior learning in another award course at the University of Sydney or in another institution, in order to qualify for an award a student must:

8.2.1 for undergraduate award courses, complete a minimum of the equivalent of two full-time semesters of the award course at the University; and

8.2.2 for postgraduate award courses, complete at least 50 per cent of the requirements prescribed for the award course at the University.

These requirements may be varied where the work was completed as part of an embedded program at the University or as part of an award course approved by the University in an approved conjoint venture with another institution.

8.3 The credit granted on the basis of work completed at an institution other than a university normally should not exceed one third of the overall award course requirements.

8.4 A faculty has authority to establish embedded academic sequences in closely related graduate certificate, graduate diploma and master's degree award courses. In such embedded sequences, a student may be granted credit for all or some of the units of study completed in one award of the sequence towards any other award in the sequence, irrespective of whether or not the award has been conferred.

8.5 In an award course offered as part of an approved conjoint venture the provisions for the granting of credit are prescribed in the Resolutions of the Senate and the faculty resolutions relating to that award course.

9. Cross-institutional study

9.1 The relevant dean may permit a student to complete a unit or units of study at another university or institution and have that unit or those units of study credited to the student's award course.

9.2 The relevant dean has authority to determine any conditions applying to cross-institutional study.

Division 4: Progression

10. Repeating a unit of study

10.1 A student who repeats a unit of study shall, unless granted exemption by the relevant dean:

10.1.1 participate in the learning experiences provided for the unit of study; and

10.1.2 meet all examination, assessment and attendance requirements for the unit of study.

10.2 A student who presents for re-assessment in any unit of study is not eligible for any prize or scholarship awarded in connection with that unit of study without the permission of the relevant dean.

11. Time limits

11.1 A student must complete all the requirements for an award course within ten calendar years or any lesser period if specified by resolution of the Senate or the faculty.
Division 5: Discontinuation of enrolment and suspension of candidacy

12. Discontinuation of enrolment

12.1 A student who wishes to discontinue enrolment in an award course or unit of study must apply to the relevant dean and will be presumed to have discontinued enrolment from the date of that application, unless evidence is produced showing:
12.1.1 that the discontinuation occurred at an earlier date; and
12.1.2 that there was good reason why the application could not be made at the earlier time.
12.2 A student who discontinues enrolment during the first year of enrolment in an award course may not re-enrol in that award course unless:
12.2.1 the relevant dean has granted prior permission to re-enrol; or
12.2.2 the student is reselected for admission to candidature for that course.
12.3 No student may discontinue enrolment in an award course or unit of study after the end of classes in that award course or unit of study, unless he or she produces evidence that:
12.3.1 the discontinuation occurred at an earlier date; and
12.3.2 there was good reason why the application could not be made at the earlier time.
12.4 A discontinuation of enrolment may be recorded as 'Withdrawn (W)' or 'Discontinued - not to count as failure (DNF)' where that discontinuation occurs within the time-frames specified by the University and published by the faculty, or where the student meets other conditions as specified by the relevant faculty.

13. Suspension of candidature

13.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course. A student who wishes to suspend candidature must first obtain approval from the relevant dean.
13.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the dean for suspension will be deemed to have lapsed.
13.3 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the relevant faculty.
13.4 A student who enrolls after suspending candidature shall complete the requirements for the award course under such conditions as determined by the dean.

Division 6: Unsatisfactory progress and exclusion

14. Satisfactory progress

14.1 A faculty has authority to determine what constitutes satisfactory progress for all students enrolled in award courses in that faculty, in accordance with the policies and directions of the Academic Board.

15. Requirement to show good cause

15.1 For the purposes of this Rule, 'good cause' means circumstances beyond the reasonable control of a student, which may include serious ill health or misadventure, but does not include demands of employers, pressure of employment or time devoted to non-University activities, unless these are relevant to serious ill health or misadventure. In all cases the onus is on the student to provide the University with satisfactory evidence to establish good cause. The University may take into account relevant aspects of a student's record in other courses or units of study within the University and relevant aspects of academic studies at other institutions provided that the student presents this information to the University.
15.2 The relevant dean may require a student who has not made satisfactory progress to show good cause why he or she should be allowed to re-enrol.
15.3 The dean will permit a student who has shown good cause to re-enrol.

16. Exclusion for failure to show good cause

The dean may, where good cause has not been established:
16.1 exclude the student from the relevant course; or
16.2 permit the student to re-enrol in the relevant award course subject to restrictions on units of study, which may include, but are not restricted to:
16.2.1 completion of a unit or units of study within a specified time;
16.2.2 exclusion from a unit or units of study, provided that the dean must first consult the head of the department responsible for the unit or units of study; and
16.2.3 specification of the earliest date upon which a student may re-enrol in a unit or units of study.

17. Applying for re-admission after exclusion

17.1 A student who has been excluded from an award course or from a unit or units of study may apply to the relevant dean for re-admission to the award course or re-enrolment in the unit or units of study concerned after at least four semesters, and that dean may readmit the student to the award course or permit the student to re-enrol in the unit or units of study concerned.
17.2 With the written approval of the relevant dean, a student who has been excluded may be given credit for any work completed elsewhere in the University or in another university during a period of exclusion.

18. Appeals against exclusion

18.1 In this Rule a reference to the Appeals Committee is a reference to the Senate Student Appeals Committee (Exclusions and Re-admissions).
18.2.1.1 A student who has been excluded in accordance with this Rule may appeal to the Appeals Committee.
18.2.1.2 A student who has applied for re-admission to an award course or re-enrolment in a unit of study after a period of exclusion, and who is refused re-admission or re-enrolment may also apply to the Appeals Committee.
18.2.2 The Appeals Committee shall comprise:
18.2.2.1 three ex officio members (the Chancellor, the Deputy Chancellor and the Vice-Chancellor and Principal);
18.2.2.2 the Chair and Deputy Chairs of the Academic Board;
18.2.2.3 two student Fellows; and
18.2.2.4 up to four other Fellows.
18.2.3 The Appeals Committee may meet as one or more subcommittees providing that each subcommittee shall include at least one member of each of the categories of:
18.2.3.1 ex officio member;
18.2.3.2 Chair or Deputy Chair of the Academic Board;
18.2.3.3 student Fellow; and
18.2.3.4 other Fellows.
18.2.4 Three members shall constitute a quorum for a meeting of the Appeals Committee or a subcommittee.
18.2.5 The Appeals Committee and its subcommittees have authority to hear and determine all such appeals and must report its decision to the Senate annually.
18.2.6 The Appeals Committee or a subcommittee may uphold or disallow any appeal and, at its discretion, may determine the earliest date within a maximum of four semesters at which a student who has been excluded shall be permitted to apply to re-enrol.
18.2.7 No appeal shall be determined without granting the student the opportunity to appear in person before the Appeals Committee or subcommittee considering the appeal. A student so appearing may be accompanied by a friend or adviser.
18.2.8 The Appeals Committee or subcommittee may hear the relevant dean but that dean may only be present at those stages at which the student is permitted to be present. Similarly, the dean is entitled to be present when the Committee or subcommittee hears the student.
18.2.9 If, due notice having been given, a student fails to attend a meeting of the Appeals Committee or subcommittee scheduled to consider that student's appeal, the Appeals Committee or subcommittee, at its discretion, may defer consideration of the appeal or may proceed to determine the appeal.
18.2.10 A student who has been excluded in accordance with these resolutions and has lodged a timely appeal against that exclusion may re-enroll pending determination of that appeal if it has not been determined by the commencement of classes in the next appropriate semester.

Division 7: Exceptional circumstances

19. Variation of award course requirements in exceptional circumstances

19.1 The relevant dean may vary any requirement for a particular student enrolled in an award course in that faculty where, in the opinion of the dean, exceptional circumstances exist.
Division 8: Award of degrees, diplomas and certificates

20. Classes of award
20.1 Undergraduate diplomas may be awarded in five grades – pass, pass with merit, pass with distinction, pass with high distinction or honours.
20.2 Degrees of bachelor may be awarded in two grades – pass or honours.
20.3 Graduate diplomas and graduate certificates may be awarded in one grade only – pass.
20.4 Degrees of master by coursework may be awarded three grades – pass, pass with merit or honours.

21. Award of the degree of bachelor with honours
21.1 The award of honours is reserved to indicate special proficiency. The basis on which a student may qualify for the award of honours in a particular award course is specified in the faculty resolutions relating to the course.
21.2 Each faculty shall publish the grading systems and criteria for the award of honours in that faculty.
21.3 Classes which may be used for the award of honours are:

21.3.1 First Class
21.3.2 Second Class/Division 1
21.3.3 Second Class/Division 2
21.3.4 Third Class

21.4 With respect to award courses which include an additional honours year:
21.4.1 a student may not graduate with the pass degree while enrolled in the honours year;
21.4.2 on the recommendation of the head of the department concerned, a dean may permit a student who has been awarded the pass degree at a recognised tertiary institution to enrol in the honours year in that faculty;
21.4.3 faculties may prescribe the conditions under which a student may enrol part-time in the honours year;
21.4.4 a student who fails or discontinues the honours year may not re-enrol in it, except with the approval of the dean.

22. University Medal
22.1 An honours bachelor's degree student with an outstanding academic record throughout the award course may be eligible for the award of a University Medal, in accordance with Academic Board policy and the requirements of the faculty resolutions relating to the award course concerned.

23. Award of the degree of master with honours or merit
23.1 The award of honours or pass with merit is reserved to indicate special proficiency or particular pathways to completion. The basis on which a student may qualify for the award of honours or the award with merit in a particular degree is specified in the Faculty Resolutions relating to that degree.

24. Transcripts and testamurs
24.1 A student who has completed an award course or a unit of study at the University will receive an academic transcript upon application and payment of any charges required.
24.2 Testamurs may indicate streams or majors or both as specified in the relevant faculty resolutions.

Division 9: Transitional provisions

25. Application of this Rule during transition
25.1 This Rule applies to all candidates for degrees, diplomas and certificates who commence candidature after 1 January 2001.
25.2 Candidates who commenced candidature prior to this date may choose to proceed in accordance with the resolutions of the Senate in force at the time they enrolled, except that the faculty may determine specific conditions for any student who has re-enrolled in an award course during a period of suspension.
University of Sydney (Doctor of Philosophy (PhD)) Rule 2004

Please also see the University of Sydney (Authority Within Academic Units) Rule 2003 (as amended)

Part 1 – Preliminary

Part 2 – Admission to candidature

Part 3 – Supervision

Part 4 – Candidature

Part 5 – Submission of thesis

Part 1 – Preliminary

1. Citation and commencement
   1.1 Citation
   This Rule is made by the Senate of the University of Sydney pursuant to section 37(1) of the University of Sydney Act 1989 for the purposes of the University of Sydney By-law 1999.

   1.2 Commencement
   This Rule commences on the day after it is made in accordance with Chapter 2 of the University of Sydney By-law 1999.

2. Purpose
   2.1 This Rule:
   2.1.1 repeals and replaces Part 10, Division 4 of the University of Sydney (Amendment Act) Rule 1999 in its entirety; and
   2.1.2 deals with matters relating to the degree of Doctor of Philosophy.

Part 2 – Admission to candidature

3. Heads of department
   3.1 A head of department may delegate to a specified member of the academic staff his or her responsibilities under these Rules by countersigning a specific recommendation in respect of a particular candidature or by making, and forwarding to the Registrar, a written statement of delegation of those powers.

4. Admission to candidature
   4.1 An applicant for admission as a candidate for the degree shall, except as provided in 4.2 and 4.3 below, hold or have fulfilled all the requirements for:
   4.1.1 the degree of master, or
   4.1.2 the degree of bachelor with first or second class honours.

   4.2 A faculty may admit as a candidate for the degree an applicant holding qualifications which, in the opinion of the faculty concerned and of the Academic Board, are equivalent to those prescribed in 4.1 or 4.2 above and such candidate shall proceed to the degree under such conditions as the Academic Board may prescribe.

   4.3 The Academic Board has endorsed an interpretation of the qualifying examination as including completion of a period of relevant full-time or part-time advanced study and research towards a master’s degree in the University of Sydney, at such a standard as would demonstrate to the satisfaction of the faculty that the candidate is suitably prepared in the particular field of study to undertake candidature for the degree of Doctor of Philosophy.

   4.4 The Academic Board may, in accordance with this Rule, admit as a candidate for the degree an applicant holding qualifications which, in the opinion of the faculty concerned and of the Academic Board, are equivalent to those prescribed in 4.1 or 4.2 above and such candidate shall proceed to the degree under such conditions as the Academic Board may prescribe.

   4.5 An applicant for admission to candidature shall submit to the faculty concerned:
   4.5.1 a proposed course of advanced study and research, approved by the head of the department in which the work is to be carried out, to be undertaken by the applicant in a department of the University, and
   4.5.2 satisfactory evidence of adequate training and ability to pursue the proposed course.

   4.6 The faculty may require a candidate, as part of the evidence of the candidate's training and ability to pursue the proposed course, to pass a special examination.

   4.7 A reference in this section to the faculty's training and ability to pursue the proposed course, to pass a special examination.

5. Probationary acceptance
   5.1 A candidate may be accepted by a faculty on a probationary basis for a period not exceeding one year and upon completion of this probationary period, the faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

   5.2 In the case of a candidate accepted on a probationary period under 5.1 above, the candidature shall be deemed to have commenced from the date of such acceptance.

6. Control of candidature
   6.1 Each candidate shall pursue his or her course of advanced study and research wholly under the control of the University.

   6.2 Where a candidate is employed by an institution other than the University, the faculty or college board may require a statement by that employer acknowledging that the candidature will be under the control of the University.

7. Other studies during the candidature
   7.1 A candidate may be required by the head of department or the supervisor to attend lectures, seminar courses or practical work courses or to undertake courses and, if required, the assessment for such courses, subject to the approval of any other head of department concerned.

8. Credit for previous studies
   8.1 A candidate who, at the date of admission to candidature, has completed not less than six months as a candidate for the degree of master in any faculty or board of studies of the University of Sydney, may be permitted by the faculty concerned to be credited for the whole or any part of the period of candidature completed for the degree of master as a period of candidature completed for the degree of Doctor of Philosophy, provided that the period of candidature for the degree of master for which credit is sought shall have been a course of full-time or part-time advanced study and research under a supervisor appointed by the faculty or board of studies concerned and directly related to the candidate's proposed course of advanced study and research for the degree of Doctor of Philosophy.

   8.2 A candidate who, at the date of admission has completed not less than six months as a candidate for a higher degree in another university or institution may be permitted by the Academic Board, on the recommendation of the faculty concerned, to be credited for the whole or any part of the period of candidature completed as a period completed for the degree of Doctor of Philosophy of the University of Sydney, provided that:
   8.2.1 at the date of admission to candidature for the higher degree of the other university or institution concerned the candidate shall have fulfilled the requirements of admission to candidature set out in section 3 above; and
   8.2.2 the period of candidature for the higher degree of the other university or institution concerned for which credit is sought shall have been a course of full-time or part-time advanced study and research under a supervisor appointed by the
other university or institution concerned and directly related to the candidate’s proposed course of advanced study and research in the University of Sydney; the candidate shall have abandoned candidature for the higher degree of the other university or institution concerned for which credit is sought;

8.2.4 the amount of credit which may be so granted shall not exceed one year; and

8.2.5 no candidate who has been granted credit shall present a thesis for examination for the degree earlier than the end of the second year after acceptance.

8.3 The Faculty of Medicine may grant credit not exceeding one year to a candidate for the degree of Doctor of Philosophy in that Faculty who has submitted documented evidence of having previously completed supervised study towards the degree of Doctor of Medicine of the University of Sydney.

Part 3 – Supervision

9. Appointment and qualifications of supervisors and associate supervisors

9.1 The faculty or college board, on the recommendation of the head of department concerned, shall appoint a suitably qualified supervisor and associate supervisors for each candidate to take primary responsibility for the conduct of the candidature and to be responsible for the progress of the candidature to the head of department and the faculty or college board concerned in accordance with policy established by the Academic Board.

Part 4 – Candidature

10. Location

10.1.1 Subject to the annual approval of the supervisor, head of department and faculty or college board, the candidate shall pursue the course of advanced study and research either:

10.1.1.1 within the University including its research stations and teaching hospitals;

10.1.1.2 on fieldwork either in the field or in libraries, museums or other repositories;

10.1.1.3 within industrial laboratories or research institutions or other institutions considered by the faculty or college board concerned to provide adequate facilities for that candidature; or

10.1.1.4 within a professional working environment;

10.1.2 and shall attend at the University for such consultation with the supervisor and shall participate in such departmental and faculty or college seminars as shall annually be specified.

10.2.1 A candidate pursuing candidature outside Australia must also complete a minimum of two semesters of candidature within the University [but not necessarily immediately before submission, not necessarily as a continuous two-semester period] before submission of the thesis.

10.2.2 The corresponding period for candidates for whom the minimum length of candidature is four semesters is a minimum of one semester.

10.3 When recommending the detailed annual conditions for each candidate’s particular course of advanced study and research the supervisor and head of department must indicate whether they are satisfied that the proposed supervision arrangements will be satisfactory.

11. Progress

11.1 At the end of each year each candidate shall provide evidence of progress and attend a progress review interview to the satisfaction of the supervisor and head of department concerned and any Departmental or Faculty Postgraduate Review Committee.

11.2 On the basis of evidence provided and the interview, the head of department shall recommend the conditions of candidature to apply for the following year and may require the candidate to provide further evidence of progress at the end of one semester or such other period as the head of department considers appropriate.

11.3 If a candidate fails to submit evidence of progress or if the head of department concerned considers that the evidence submitted does not indicate satisfactory progress, the faculty or college board may, on the head’s recommendation, call upon that candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree and where, in the opinion of the faculty or college board, the candidate does not show good cause the faculty or college board may terminate that candidature or may impose conditions on the continuation of that candidature.

Part 5 – Submission of thesis

12. The thesis

12.1.1 On completing the course of advanced study and research, a candidate shall present a thesis embodying the results of the work undertaken which shall be a substantially original contribution to the subject concerned.

12.1.2 The candidate shall state, generally in the preface and specifically in notes, the sources from which the information is derived, the animal and human ethical approvals obtained, the extent to which the work of others has been made use of, and the portion of the work the candidate claims as original.

12.2 A candidate may also submit in support of the candidature any publication of which the candidate is the sole or joint author. In such a case the candidate must produce evidence to identify satisfactorily the sections of the work for which the candidate is responsible.

12.3 Except where the candidature has been governed by an approved cotutelle agreement, a candidate may not present as the thesis any work which has been presented for a degree or diploma at this or another university, but the candidate will not be precluded from incorporating such in the thesis, provided that, in presenting the thesis, the candidate indicates the part of the work which has been so incorporated.

12.4 Theses shall be written in English, except that:

12.4.1 in the case of a candidature governed by an approved cotutelle agreement, the thesis may be written in English or in another language; and

12.4.2.1 in the Faculty of Arts, in the case of language departments, theses may be written either in English or in their target language as determined by the department, unless a department has specified by means of a Faculty resolution that it will consider applications to submit the thesis in a language other than:

12.4.2.1.1 English; or

12.4.2.1.2 a target language of the department.

12.4.2.2 Such applications should be made in writing; and approved by the head of department concerned and the Dean of the Faculty, before the commencement of candidature.

12.4.2.3 In considering applications a head of department shall take into account arrangements for supervision and examination.

12.5 A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by resolution of the Academic Board and four copies of a summary of about 300 words in length.

12.6 The thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor’s opinion, the form of presentation of the thesis is satisfactory.

13. Earliest date for submission

13.1 Except as provided below, a candidate may not submit a thesis for examination earlier than the end of the sixth semester of candidature.

13.2 A faculty or college board may permit a candidate holding any of the following qualifications of the University of Sydney or from such other institution as the faculty or college board may approve, to submit a thesis for examination not earlier than the end of the fourth semester of candidature:

13.2.1 a degree of master completed primarily by research;

13.2.2 both the degrees of Bachelor of Dental Surgery with honours and Bachelor of Science (Dental) with honours;

13.2.3 both the degrees of Bachelor of Medicine with honours and Bachelor of Science (Medical) with honours; or

13.2.4 both the degrees of Bachelor of Veterinary Science with honours and Bachelor of Science (Veterinary) with honours.

13.3 Notwithstanding 13.1 and 13.2 above, a faculty may, on the recommendation of the head of department and supervisor concerned, permit a candidate to submit a thesis for examination up to one semester earlier than prescribed if, in the opinion of the faculty, evidence has been produced that the candidate has made exceptional progress in his or her candidature.

13.4.1 Notwithstanding 13.1, 13.2 and 13.3 above, the Chair of the Academic Board may, on the recommendation of the dean
of the faculty in which the candidate is enrolled, permit a candidate to submit a thesis for examination earlier than prescribed if, in the opinion of the Chair of the Academic Board, evidence has been produced that the candidate has made exceptional progress in his or her candidature.

13.4.2 The Chair of the Academic Board may take advice from the Chair of the Graduate Studies Committee and shall report any applications under this provision and the action taken to the next meeting of the Academic Board.

14. Latest date for submission
14.1 Except as provided in 14.1 to 14.3 below, a candidate shall submit the thesis for examination not later than the end of the eighth semester of candidature.

14.2 A candidate whose candidature has been part-time throughout shall submit the thesis for examination not later than the end of the 16th semester of candidature.

14.3 The time limits set out in 14.1 to 14.2 above, apply to candidates who commence candidature after 31 December 2000. Candidates who commenced candidature prior to this date may choose to proceed in accordance with the Rules in force at the time when they commenced candidature.

14.4 The relevant dean may permit a candidate to submit the thesis for examination after a period of time greater than the maximum periods specified.

15. Examination
15.1 The procedures for examination shall be prescribed by the Academic Board.
For further information or advice, please feel free to call our Helpline on 1300 362 006.

Accommodation Service
Admissions Office
Applying for a course
Assessment
Careers Centre
Casual Employment Service
Centre for Continuing Education
Centre for English Teaching
Child Care
Client Services, Information and Communications Technology (ICT)
The Co-op Bookshop
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Email
Enrolment
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Examinations
Fees
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(Grievances) Appeals
HECS and Fees Office
HELP
Information and Communications Technology
International Office
International Student Support Unit
Koori Centre and Yooroang Garang
Learning Centre
Library
Mathematics Learning Centre
Multimedia and Educational Technologies in Arts (META) Resource Centre
MyUni Student Portal
Part-time, full-time
Policy online
Privacy
Scholarships for undergraduates
Services for Students
Student Centre
Student Identity Cards
Student Services
The Sydney Summer School
The University of Sydney Foundation Program
Timetabling Unit
University Health Service

Accommodation Service
The Accommodation Service helps students find off-campus accommodation. The service maintains extensive databases of share accommodation, rental properties, and full board accommodation. Currently enrolled students can access the database online through the MyUni student portal, or the accommodation website via your MyUni student portal or the Services for Students website.

Level 7, Education Building A35
University of Sydney
NSW 2006 Australia

For the latest updates, visit Handbooks online.
http://www.usyd.edu.au/handbooks

Admissions Office
The Admissions Office, located in the Student Centre, is responsible for overseeing the distribution of offers to undergraduate applicants through the Universities Admission Centre (UAC). They can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty. If you are an Australian citizen or a permanent resident but have qualifications from a non-Australian institution phone +61 2 9351 4118 for more information. For enquiries regarding special admissions (including mature-age entry) phone +61 2 9351 3615. Applicants without Australian citizenship or permanent residency should contact the International Office.

Student Centre
Ground Floor, Carslaw Building F07
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4117 or +61 2 9351 4118
Fax: +61 2 9351 4869
Email: admissions@records.usyd.edu.au
Web: http://www.usyd.edu.au/studentcentre

Applying for a course
Domestic applicants for undergraduate courses and programs of study
For the purpose of admission and enrolment 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. If you are in this group and wish to apply for admission into an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC). The deadline for application is the last working day of September in the year before enrolment. Go to the UAC website for more information.

Note that some faculties, such as Pharmacy, the Sydney Conservatorium of Music and Sydney College of the Arts, have additional application procedures.

Domestic applicants for postgraduate courses and programs of study
For the purpose of admission and enrolment 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. Application is direct to the faculty which offers the course that you are interested in. Application forms for postgraduate coursework, postgraduate research and the master's qualifying or preliminary program and for non-award postgraduate study can be found at http://www.usyd.edu.au/studentcentre.

Please note that some faculties use their own specially tailored application forms for admission into their courses. Please contact the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)
'International applicants' refers to all applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand. In the majority of cases international applicants apply for admission
through the University's International Office (IO). All the information international applicants need, including application forms, is available from the IO website.

Assessment
For assessment matters refer to the relevant department or school.

Careers Centre
The Careers Centre will help you with careers preparation and graduate recruitment.

Careers Centre
Ground Floor, Mackie Building K01
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3481
Fax: +61 2 9351 5134
Email: info@careers.usyd.edu.au
Web: http://www.careers.usyd.edu.au

Casual Employment Service
The Casual Employment Service helps students find casual and part-time work during their studies and during University vacations. The service maintains a database of casual employment vacancies. Currently enrolled students can access the database online through the MyUni student portal, or the casual employment website via your MyUni student portal, or the Services for Students website.

Level 7, Education Building A35
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 8714
Fax: +61 2 9351 8717
Email: ces@stuserv.usyd.edu.au
Web: http://www.usyd.edu.au/cas_emp

Centre for Continuing Education
The Centre for Continuing Education offers a wide range of short courses for special interest, university preparation and professional development.

Centre for Continuing Education
160 Missenden Rd
Newtown NSW 2042
Postal address:
Locked Bag 2020
Glebe NSW 2037
Ph: +61 2 9351 4789
Fax: +61 2 9351 4799
Email: info@cce.usyd.edu.au
Web: http://www.cce.usyd.edu.au

Subject areas include: history and culture, creative arts, social sciences, languages, IT, business and overseas study tours. Courses are open to everyone.

Centre for English Teaching (CET)
The Centre for English Teaching (CET) offers English language and academic study skills programs to students from overseas and Australian residents from non-English speaking backgrounds who need to develop their English language skills to meet academic entry requirements.

Camperdown Campus G01
University Of Sydney
NSW 2006 Australia
Phone: +61 2 9351 0760
Fax: +61 2 9351 0710
Email: info@cet.usyd.edu.au
Web: http://www.usyd.edu.au/cet

Child care
Contact the Child Care Information Officer for information about child care for students and staff of the University who are parents. For details of centres, vacation and occasional care see the child care website via your MyUni student portal or the Services for Students website.

Child Care Information Officer
Level 7, Education Building A35
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 5667
Fax: +61 2 9351 7055
Email: childc@stuserv.usyd.edu.au
Web: http://www.usyd.edu.au/childcare

Client Services, Information and Communications Technology (ICT)
Client Services are responsible for the delivery of many of the computing services provided to students. Students can contact Client Services by phoning the ICT Helpdesk on 9351 6000, through the IT Assist website (http://www.itassist.usyd.edu.au) or by visiting the staff at one of the University Access Labs.

The access labs on the Camperdown and Darlington campuses are located in:

- Fisher Library (Level 2);
- Carslaw Building (Room 201);
- Education Building (Room 232);
- Christopher Brennan Building (Room 232);
- Engineering Link Building (Room 222); and
- Pharmacy and Bank Building (Room 510).

Other labs are available at the Law, Westmead Hospital and Cumberland campuses.

The labs provide students free access to computers including office productivity and desktop publishing software.

Services are available on a fee for service basis which include Internet access, printing facilities and the opportunity to host their own non-commercial website.

Each student is supplied with an account, called a 'Unikey' account, which allows access to a number of services including:

- free email (http://www-mail.usyd.edu.au);
- access to the Internet from home or residential colleges (http://www.itassist.usyd.edu.au/services.html);
- student facilities via the MyUni student portal (http://myuni.usyd.edu.au), including exam results, enrolment variations and timetabling; and
- free courses in basic computing (such as MS Office; basic html and excel) that are run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on +61 2 9351 6870.

Client Services, Helpdesk
University Computer Centre, H08
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 6000
Fax: +61 2 9351 6004
Email: support@usyd.edu.au
Web: http://www.itassist.usyd.edu.au
The Co-op Bookshop
The Co-op Bookshop is a one-stop bookshop for:
- textbooks
- general books
- reference books
- DVDs
- flash drives; and
- software at academic prices.
Lifetime membership costs $20.00 and gives great discounts on purchases (conditions apply).
Sports and Aquatic Centre Building G09
Phone: +61 2 9351 3705
Fax: +61 2 9660 5256
Email: sydu@coop-bookshop.com.au
Web: http://www.coop-bookshop.com.au

Counselling Service
The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling. The Service provides short-term, problem-focused counselling to promote psychological wellbeing and to help students develop effective and realistic coping strategies. International students can access counselling assistance through the International Students Support Unit (ISSU). Each semester the Counselling Service runs a program of workshops designed to assist students master essential study and life management skills. Workshops are available to all local and international students. For details of workshops, activities and online resources provided by the service see the Counselling Service website via your MyUni student portal or the Services for Students website. Phone to make an appointment. Daily walk-in appointments are also available between 11am and 3pm.

Camperdown and Darlington campuses
Level 7, Education Building A35
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2228
Fax: +61 2 9351 7055
Email: counsel@mail.usyd.edu.au
Web: http://www.usyd.edu.au/counsel

Cumberland Campus
Ground Floor, A Block, Cumberland Campus C42
University of Sydney
East Street
Lidcombe
NSW 2141 Australia
Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: DS_Cumberland@hhs.usyd.edu.au
Web: http://www.usyd.edu.au/disability

Disability Services
Disability Services is the principal point of contact for advice on assistance available for students with disabilities. Students with a disability need to register with Disability Services to receive support and assistance. Disability Services works closely with academic and administrative staff to ensure that students receive reasonable accommodations in their areas of study. Assistance available includes the provision of note taking, interpreters and negotiation with academic staff regarding assessment and course requirement modifications where appropriate. For details on registering with the Service including documentation required and online resources see the Disability Services website via your MyUni student portal or http://www.usyd.edu.au/disability.

Camperdown and Darlington campuses
Level 7, Education Building A35
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 7040
Fax: +61 2 9351 3320
TTY: +61 2 9351 3412
Email: disserv@stuserv.usyd.edu.au
Web: http://www.usyd.edu.au/disability

Cumberland Campus
Ground Floor, A Block, Cumberland Campus C42
University of Sydney
East Street
Lidcombe
NSW 2141 Australia
Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: DS_Cumberland@hhs.usyd.edu.au
Web: http://www.usyd.edu.au/disability

Equity Support Services
Equity Support Services, located within Student Services, brings together a number of student support services that produce practical assistance and information to support students in meeting their academic and personal goals while at University. Services include Accommodation Service, Casual Employment Service, Childcare Information Officer, Disability Services and the Financial Assistance Officer. For details of these services and online resources provided see their individual entry in this Handbook or go to the MyUni student portal or the Services for Students website.

Email
See Client Services, Information and Communications Technology

Enrolment

Students entering first year
Details of enrolment procedures will be sent to you with your UAC offer of enrolment. Enrolment takes place at a specific time and date, usually during the last week of January.

All other students
A pre-enrolment package is sent to all enrolled students in late September and contains instructions on the procedure for web-based pre-enrolment.

Environmental Policy
The University of Sydney’s Environmental Policy promotes sustainable resource and product use; and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University wide Sustainable Campus Program.

Enquiries can be directed to the Manager, Environmental Strategies Phone: +61 2 93512063
Email: sustainable@usyd.edu.au
or go to http://www.usyd.edu.au/sustainable where you can find out what the University is doing and how you can get involved, make suggestions or receive the Sustainable Campus Newsletter.

Examinations
The Examinations and Exclusions Office looks after the majority of examination arrangements and student progression. Some faculties, such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.
Examinations and Exclusions Office
Student Centre
Level 1, Carslaw Building F07
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 4005 or +61 2 9351 4006
Fax: +61 2 9351 7330
Email: exams.office@exams.usyd.edu.au

Fees
The Fees Office provides information on how to pay fees, where to pay fees and if payments have been received. The office also has information on obtaining a refund for fee payments.

Fees Office
Margaret Telfer Building K07
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 5222
Fax: +61 2 9351 4202
Email: feespay@usyd.edu.au

Financial Assistance Office
The University of Sydney has a number of loan and bursary funds to assist students experiencing financial difficulties. Loan assistance is available for undergraduate and postgraduate students enrolled in degree and diploma courses at the University. The assistance is not intended to provide the principle means of support but to help enrolled students in financial need with expenses such as housing bonds and rent; phone and electricity bills; medical expenses; buying textbooks and course equipment. Loans are interest free and are repayable usually within one year. Bursaries may be awarded depending on financial need and academic merit and are usually only available to local full-time undergraduate students. Advertised bursaries, including First Year Bursaries, are advertised through the MyUni student portal in January each year. For details of types of assistance and online resources provided by the service see the Financial Assistance website via your MyUni student portal or the Services for Students website

Level 7, Education Building A35
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2416
Fax: +61 2 9351 7055
Email: fao@stuserv.usyd.edu.au
Web: http://www.usyd.edu.au/fin_assist

Freedom of Information
The University of Sydney falls within the jurisdiction of the NSW Freedom of Information Act, 1989. The act:

- requires information concerning documents held by the University to be made available to the public;
- enables a member of the public to obtain access to documents held by the University; and
- enables a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect, out of date or misleading.

(Note that a 'member of the public' includes staff and students of the University.)

It is a requirement of the act that applications be processed and a determination made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While application may be made to access University documents, some may not be released in accordance with particular exemptions provided by the act. There are review and appeal mechanisms which apply when access has been refused.

The University is required to report to the public on its freedom of information (FOI) activities on a regular basis and to produce two documents: a Statement of Affairs (annually) and a Summary of Affairs (every six months). The Statement of Affairs contains information about the University, its structure, function and the kinds of documents held. The Summary of Affairs identifies the University's policy documents and provides information on how to make an application for access to University documents.

Further information and copies of the current Statement and Summary may be found at http://www.usyd.edu.au/arms/foi

The University is required to report to the public on its freedom of information (FOI) activities on a regular basis and to produce two documents: a Statement of Affairs (annually) and a Summary of Affairs (every six months). The Statement of Affairs contains information about the University, its structure, function and the kinds of documents held. The Summary of Affairs identifies the University's policy documents and provides information on how to make an application for access to University documents.

Further information and copies of the current Statement and Summary may be found at http://www.usyd.edu.au/arms/foi

Graduations Office
The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Student Centre
Carslaw Building F07
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3199, +61 2 9351 4009
Protocol: +61 2 9351 4612
Fax: +61 2 9351 5072

(Grievances) Appeals
You may consider that a decision affecting your candidature for a degree or other activities at the University has not taken into account all relevant matters.

In some cases the by-laws or resolutions of the Senate (see the University Calendar) provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, at the SRC, and on the University's policy online website (click on 'Study at the University', then click on 'Appeals' – see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:
Students' Representative Council
Level 1, Wentworth Building G01
University of Sydney
NSW 2006 Australia
Phone: +61 2 9660 5222

HECS and Fees Office
Student Centre
Ground Floor, Carslaw Building F07
University of Sydney
NSW 2006 Australia
Information and Communications Technology

See Client Services, Information and Communications Technology

International Office

The International Office provides assistance with application, admission and enrolment procedures for international students. The International Office also includes units responsible for international marketing, government relations, international scholarships, including AusAID scholarships, and compliance with government regulations related to international students. The Study Abroad and Exchange unit assists both domestic and international students who wish to enrol for study abroad or exchange programs.

International Office
Services Building G12
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Web: http://www.usyd.edu.au/internationaloffice

Study Abroad
Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Web: http://www.usyd.edu.au/studyabroad

Student Exchange
Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: exchange@io.usyd.edu.au
Web: http://www.usyd.edu.au/studentexchange

International Student Support Unit

The International Student Support Unit assists international students through the provision of orientation, counselling and welfare services to both students and their families. ISSU aims to help international students cope successfully with the challenges of living and studying in an unfamiliar culture, to achieve success in their studies and to make the experience of being an international student rewarding and enjoyable. For details of orientation activities, counselling and welfare services provided to both students and their families and online resources, see the MyUni student portal or the Services for Students website http://www.usyd.edu.au/stuserv. International students also have access to all University student support services.

Camperdown and Darlington campuses

Ground Floor, Services Building G12
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Web: http://www.usyd.edu.au/issu

Cumberland Campus

Ground Floor, A Block, Cumberland Campus C42
University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: ISSU_Cumberland@fhs.usyd.edu.au
Web: http://www.usyd.edu.au/issu

Koori Centre and Yooroang Garang

Islander people in all aspects of tertiary education at the University of Sydney. The Cadigal Special Entry Program assists Indigenous Australians to enter undergraduate study across all areas of the University.

As well as delivering block-mode courses for Indigenous Australian students, the Koori Centre teaches Indigenous Australian Studies in various mainstream courses. In addition the Centre provides tutorial assistance, and student facilities such as: computer lab, Indigenous research library and study rooms for Indigenous Australian students across the University.

In particular the Koori Centre aims to increase the successful participation of Indigenous Australians in undergraduate and postgraduate degrees, develop the teaching of Aboriginal Studies, conduct research in the field of Aboriginal education, and establish working ties with schools and communities.

The Koori Centre works in close collaboration with Yooroang Garang: School of Indigenous Health Studies in the Faculty of Health Sciences at the University's Cumberland Campus. Yooroang Garang provides advice, assistance and academic support for Indigenous students in the faculty, as well as preparatory undergraduate and postgraduate courses.

Koori Centre
Ground Floor, Old Teachers College A22
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2046 (general enquiries)
Toll Free: 1800 622 742
Community Liaison Officer: +61 2 9351 7003
Fax: +61 2 9351 6923
Email: koori@koori.usyd.edu.au
Web: http://www.koori.usyd.edu.au

Yooroang Garang
T Block, Level 4, Cumberland Campus C42
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 9393
Toll Free: 1800 000 418
Fax: +61 2 9351 9400
Email: yginfo@fhs.usyd.edu.au
Web: http://www.yg.fhs.usyd.edu.au

Learning Centre

The Learning Centre helps students develop the generic learning and communication skills that are necessary for university study and beyond. The centre is committed to helping students achieve their academic potential throughout their undergraduate and postgraduate studies. The centre’s program includes a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services include an individual learning program, faculty-based workshops, computer-based learning resources, publications of learning resources and library facilities. For details of programs, activities and online resources provided by the centre see the website via your MyUni student portal or the Services for Students website.

Camperdown and Darlington campuses

Level 7, Education Building A35
University of Sydney
NSW 2006 Australia
The Mathematics Learning Centre assists undergraduate students to develop the mathematical knowledge, skills and confidence that are needed for studying first level mathematics or statistics units at university. The Centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The centre also provides on-going support to eligible students during the year through individual assistance and small group tutorials. For details of activities and online resources provided by the centre see the website via your MyUni student portal or the Services for Students website.

Level 4, Carslaw Building F07
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 4061
Fax: +61 2 9351 5797
Email: mlc@stuserv.usyd.edu.au
Web: http://www.usyd.edu.au/mlc

Multimedia and Educational Technologies in Arts (META) Resource Centre
(Languages and E-Learning)
The centre provides access to recorded lectures, classwork and interactive self-paced learning materials for students of languages other than English (LOTE) and English as a second language (ESL). The self study room provides interactive computer assisted learning and access to live multilingual satellite television broadcasts. Computer access labs provide Internet, email and word processing access. The centre also provides teaching rooms with state-of-the-art multimedia equipment, language laboratories and video conferencing facilities for Faculty of Arts courses.

Level 2, Brennan Building (opposite Manning House)
University of Sydney
NSW 2006 Australia
Phone: Library enquiries +61 2 9351 2683
For all other enquiries +61 2 9351 6781
Fax: +61 2 9351 3626
Email: For Library enquiries meta.library@arts.usyd.edu.au
For all other enquiries meta@arts.usyd.edu.au
Web: http://www.arts.usyd.edu.au/centres/meta

MyUni Student Portal
The MyUni student portal is the starting point and 'one-stop' environment for students to access all their web-based University information and services. MyUni automatically tailors what a student sees based on their login-in and offers students the option of further personalising content. Most importantly, MyUni allows students to complete tasks online that would previously have required attendance in person. The following are examples of MyUni services and information:

- support services for students in health, counselling, child care, accommodation, employment and wellbeing;
- student administration systems for obtaining exam results, enrolment and variations, timetabling, email services and links to courses and units of study information;
- links to the University's e-learning systems;
- library services;
- important messages and student alerts;
- information technology and support services;
- information for local, indigenous and international students; and
- campus maps, with descriptions of cultural, sporting and campus facilities.

Website: http://myuni.usyd.edu.au

Part-time, full-time

Undergraduate students
Undergraduate students are usually considered full-time if they have a student load of at least 0.375 each semester. Anything under this amount is considered a part-time study load.

Note that some faculties have minimum study load requirements for satisfactory progress.
Postgraduate students (Coursework)
For postgraduate coursework students part-time or full-time status is determined by credit-point load. Enrolment in units of study which total at least 18 credit points in a semester is classed as full-time. Anything under this amount is a part-time study load.

Please note that classes for some coursework programs are held in the evenings (usually 6–9pm).

Postgraduate students (Research)
Full-time candidates for research degrees do not keep to the normal semester schedule, instead they work continuously throughout the year with a period of four weeks recreation leave. There is no strict definition of what constitutes full-time candidature but if you have employment or other commitments that would prevent you from devoting at least the equivalent of a 35-hour working week to your candidature (including attendance at the University for lectures, seminars, practical work and consultation with your supervisor) you should enrol as a part-time candidate. If in doubt you should consult your faculty or supervisor.

International students
Student visa regulations require international students to undertake full-time study. International students on visas other than student visas may be permitted to study part-time.

Policy online
In addition to the resolutions covering specific courses there are a number of University policies that apply to students. These include:

- The code of conduct for students
- Academic honesty in coursework
- Student plagiarism: Coursework assessment and examination of coursework

All of these policies can be accessed from the University's Policy online website.

Privacy
The University is subject to the NSW Privacy and Personal Information Protection Act 1998 and the NSW Health Records and Information Privacy Act 2002. Central to both acts are the sets of information protection principles (IPPs) and health privacy principles which regulate the collection, management, use and disclosure of personal and health information. In compliance with the Privacy and Personal Information Protection Act the University developed a Privacy Management Plan which includes the University Privacy Policy. The Privacy Management Plan sets out the IPPs and how they apply to functions and activities carried out by the University. Both the plan and the University Privacy Policy were endorsed by the Vice-Chancellor on 28 June 2000.

Further information and a copy of the plan may be found at http://www.usyd.edu.au/arms/privacy.

Any questions regarding the Freedom of Information Act, the Privacy and Personal Information Protection Act, the Health Records and Information Privacy Act or the Privacy Management Plan should be directed to:

Tim Robinson: +61 2 9351 4263, or
Anne Picot: +61 2 9351 7262
Email: foi@mail.usyd.edu.au

Scholarships for undergraduates
Scholarships Unit
Room 147, Ground Floor, Mackie Building KO1
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2717
Fax: +61 2 9351 5134
Email: scholarships@careers.usyd.edu.au

Web: http://www.usyd.edu.au/scholarships

Services for Students
See Student Services

Student Centre
Ground Floor, Carslaw Building F07
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3023 (general enquiries)
Academic records: +61 2 9351 4109
Discontinuation of enrolment: +61 2 9351 3023
Handbooks: +61 2 9351 5057
Prizes: +61 2 9351 5060
Fax: +61 2 9351 5081, +61 2 9351 5350 (academic records)
Web: http://www.usyd.edu.au/studentcentre

Student Identity Cards
The student identity card functions as a library borrowing card, a transport concession card (when suitably endorsed) and a general identity card. The card must be carried at all times on the grounds of the University and must be shown on demand.

Student Services
The University provides personal, welfare, administrative and academic support services to facilitate your success at University. Many factors can impact on your wellbeing while studying at university and student services can assist you in managing and handling these more effectively. For details of services and online resources provided see your MyUni student portal or the Services for Students website:

The Sydney Summer School
Most faculties at the University offer units of study from undergraduate degree programs during summer. There are also some units of study available for postgraduate coursework programs from some faculties. As the University uses its entire quota of Commonwealth supported places in first and second semester, these units are full fee-paying for both local and international students and enrolment is entirely voluntary. However, Summer School units enable students to accelerate their degree progress, make up for a failed unit or fit in a unit which otherwise would not suit their timetables. New students may also gain a head start by completing subjects before they commence their degrees. Units start at various times from late November and run for up to six weeks (followed by an examination week). Notice of the units available is on the Summer School website and is usually circulated to students with their results notices. A smaller Winter School is also run from the Summer School office. It commences on 3 July and runs for up to three weeks (followed by an examination week). It offers mainly postgraduate and a few undergraduate units of study.

Information can be found on the Summer School website:

The University of Sydney Foundation Program (USFP)
The University of Sydney offers its foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The Foundation Program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. The Foundation Program allows both first and second semester entry to undergraduate courses at the University of Sydney and other universities within Australia.

Phone: +61 2 8263 1886
Fax: +61 2 9267 0531
Timetabling Unit

The Timetabling Unit in the Student Centre is responsible for producing students' class and tutorial timetables. Semester One timetables are available from the Wednesday of O Week through the MyUni website.

University Health Service

The University Health Service provides a full experienced general practitioner service and emergency medical care to all members of the University community. You can consult a doctor either by appointment or on a walk-in basis (for more urgent matters only). The Health Service bills Medicare or your overseas student health care provider (Worldcare or Medibank Private) directly for the full cost of most consultations.

University Health Service (Holme)

Holme Building A09
Science Rd
University of Sydney
NSW 2006 Australia
Opening Hours: 8:30am–5pm, Mon–Fri
Phone: +61 2 9351 4095

University Health Service (Wentworth)

Level 3, Wentworth Building G01
University of Sydney
NSW 2006 Australia
Opening Hours: 8:30am–5:30pm, Mon–Fri
Phone: +61 2 9351 3484
Holme Building A09
Science Rd
University of Sydney
NSW 2006 Australia
Opening Hours: 8:30am–5pm, Mon–Fri
Phone: +61 2 9351 4095

See also the Glossary for administrative information relating to particular terms.
Student organisations

Students’ Representative Council
The Students’ Representative Council (SRC) advances and defends the interests of Sydney University undergraduate students at Sydney University and in the community. SRC members receive free advocacy and advice and a discount at the SRC shop.

Level 1, Wentworth Building G01
University of Sydney
NSW 2006 Australia
Phone: +61 2 9660 5222
Fax: +61 2 9660 4260
SRC Shop: +61 2 9660 4756
Email: info@src.usyd.edu.au
Web: www.src.usyd.edu.au

Sydney University Postgraduate Representative Association (SUPRA)
SUPRA is an independent representative association providing advice, advocacy and support services for the postgraduate student community. SUPRA is your postgraduate student association and is here to help you.

Raglan Street Building G10
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3715
Freecall: 1800 249 950
Fax: +61 2 9351 6400
Email: admin@supra.usyd.edu.au
Web: www.supra.usyd.edu.au

Sydney University Sport
Sydney University Sport provides opportunities for participation in a range of sporting and recreational activities along with first class facilities.

University Sports and Aquatic Centre G09
University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 4960
Fax: +61 2 9351 4962
Email: admin@susport.usyd.edu.au
Web: www.susport.com

University of Sydney Union
The University of Sydney Union (USU) is the main provider of catering facilities, retail services, welfare programs and social and cultural events for the University community on the Camperdown and Darlington campuses and at many of the University's affiliated campuses.

University of Sydney Union
Level 1, Manning House A23
University of Sydney
NSW 2006 Australia
Phone: 1800 013 201 (switchboard)
Fax: +61 2 9563 6109
Email: info@usu.usyd.edu.au
Web: www.usuonline.com

For the latest updates, visit Handbooks online.
http://www.usyd.edu.au/handbooks
International students

The following information is for international students studying onshore on an Australian Student Visa.

**Full-time study**
International students must maintain full-time enrolment at all times (a minimum of 18 credit points). However, in the following limited circumstances, part-time study is permitted:

- students studying in Australia on a different type of visa that does not carry study restrictions;
- students in their final semester who are required to take additional units to complete their course;
- cross-institutional students enrolled full-time at their home institution;
- students enrolled in an approved joint delivery program that involves enrolment at two institutions.

**Satisfactory academic progress**
The University is required to report to the Department of Immigration and Multicultural Affairs (DIMA) any International Student who fails to maintain satisfactory academic progress. This may result in automatic visa cancellation. It is important that International Students contact the International Office if they are experiencing academic difficulties.

**Distance/web-based study**
International students studying onshore in Australia are not permitted to enrol in distance or web-based courses. However, a small number of web-based units within a course taught largely in face-to-face mode are allowed. Contact the faculty to discuss enrolment options.

**Work permits**
International students with a work permit are permitted to work for up to 20 hours during semester and full-time during the University's official vacation periods. Contact the International Office for more information.

**Change of address**
International Students must notify the University of their residential address within seven days of arrival and notify any change of address within seven days. This may be done via the University’s MyUni Web portal.

**Course transfers**
Sponsored students will need permission from their sponsors before transferring courses. Australian Government sponsored students (AusAID, Endeavour) and Asia Development Bank (ADB) sponsored students should contact the International Office in the early stages of considering a course transfer.

**Suspension/discontinuation**
The University is required to report to DIMA international students who discontinue or suspend their studies. Students who suspend their studies for severe medical or compassionate reasons should contact the International Office urgently.

**Overseas student health cover**
Australian Student Visa holders must maintain overseas health cover for the duration of their stay. The International Office arranges health cover for the first year but it is the individual student’s responsibility to maintain health cover for each subsequent year.

**Additional information**
For more information related to international students, please see the Glossary in this handbook.
# Abbreviations

For a glossary of terms, describing the terminology in use at the University of Sydney, please see the glossary section.

Listed below are the more commonly used acronyms that appear in University documents and publications.

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<thead>
<tr>
<th>A</th>
<th>Description</th>
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<tbody>
<tr>
<td>AARNet</td>
<td>Australian Academic Research Network</td>
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<tr>
<td>AAUT</td>
<td>Australian Awards for University Teaching</td>
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<td>AAM</td>
<td>Annual Average Mark</td>
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<td>ABC</td>
<td>Activity Based Costing</td>
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<td>ABSTUDY</td>
<td>Aboriginal Study Assistance Scheme</td>
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<tr>
<td>ACER</td>
<td>Australian Council for Educational Research</td>
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<td>AGSM</td>
<td>Australian Graduate School of Management</td>
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<td>ANZAAS</td>
<td>Australian and New Zealand Association for the Advancement of Science</td>
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<td>APA</td>
<td>Australian Postgraduate Awards</td>
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<tr>
<td>APAC</td>
<td>Australian Partnership for Advanced Computing</td>
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<tr>
<td>APA-IT</td>
<td>Australian Postgraduate Awards in Information Technology</td>
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<tr>
<td>APDI</td>
<td>Australian Postdoctoral Fellowships Industry</td>
</tr>
<tr>
<td>APEC</td>
<td>Asia-Pacific Economic Cooperation</td>
</tr>
<tr>
<td>APF</td>
<td>Australian Postdoctoral Fellowship</td>
</tr>
<tr>
<td>AOQF</td>
<td>Australian Qualifications Framework</td>
</tr>
<tr>
<td>ARC</td>
<td>Australian Research Council</td>
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<tr>
<td>ARTS</td>
<td>Automated Results Transfer System</td>
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<tr>
<td>ASDOT</td>
<td>Assessment Fee Subsidy for Disadvantaged Overseas Students</td>
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<tr>
<td>ATN</td>
<td>Australian Technology Network</td>
</tr>
<tr>
<td>ATP</td>
<td>Australian Technology Park</td>
</tr>
<tr>
<td>ATPL</td>
<td>Australian Technology Park Limited</td>
</tr>
<tr>
<td>AUQA</td>
<td>Australian Universities Quality Agency</td>
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<tr>
<td>AusAID</td>
<td>Australian Agency for International Development</td>
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<tr>
<td>AUTC</td>
<td>Australian Universities Teaching Committee</td>
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<tr>
<td>AVCC</td>
<td>Australian Vice-Chancellors Committee</td>
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<tr>
<td>BAA</td>
<td>Backing Australia's Ability</td>
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<tr>
<td>BAC</td>
<td>Budget Advisory Committee</td>
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<tr>
<td>BITLab</td>
<td>Business Intelligence Lab</td>
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<tr>
<td>BLO</td>
<td>Business Liaison Office</td>
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<tr>
<td>BOTPLS</td>
<td>Bridging for Overseas Trained Professionals Loans Scheme</td>
</tr>
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<td>C</td>
<td>Description</td>
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<tr>
<td>CAF</td>
<td>Cost Adjustment Factor</td>
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<tr>
<td>CAUT</td>
<td>Committee for Advancement of University Teaching</td>
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<tr>
<td>CDP</td>
<td>Capital Development Program</td>
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<tr>
<td>CEP</td>
<td>Country Education Profile</td>
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<tr>
<td>CEQ</td>
<td>Course Experience Questionnaire</td>
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<tr>
<td>CES</td>
<td>Casual Employment Service</td>
</tr>
<tr>
<td>CFO</td>
<td>Chief Financial Officer</td>
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<tr>
<td>CHASS</td>
<td>College of Humanities and Social Sciences</td>
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<tr>
<td>CHESSN</td>
<td>Commonwealth Higher Education System Student Number</td>
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<tr>
<td>CHS</td>
<td>College of Health Sciences</td>
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<tr>
<td>CIO</td>
<td>Chief Information Officer</td>
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<tr>
<td>COE</td>
<td>Confirmation of Enrolment</td>
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<tr>
<td>CPSU</td>
<td>Community and Public Sector Union</td>
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<tr>
<td>CRC</td>
<td>Cooperative Research Centre</td>
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<tr>
<td>CREO</td>
<td>Centre for Regional Education, Orange</td>
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<tr>
<td>CRICOS</td>
<td>Commonwealth Register of Institutions and Courses for Overseas Students</td>
</tr>
<tr>
<td>CRRI</td>
<td>Centre for Rural and Regional Innovation</td>
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<tr>
<td>CSIRO</td>
<td>Commonwealth Scientific and Industrial Research Organisation</td>
</tr>
<tr>
<td>CST</td>
<td>College of Sciences and Technology</td>
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<tr>
<td>CULT</td>
<td>Combined Universities Language Test</td>
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<tr>
<td>CUTSD</td>
<td>Committee for University Teaching and Staff Development</td>
</tr>
<tr>
<td>D</td>
<td>Description</td>
</tr>
<tr>
<td>DAC</td>
<td>Data Audit Committee</td>
</tr>
<tr>
<td>DEST</td>
<td>Commonwealth Department of Education, Science and Training</td>
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<tr>
<td>DET</td>
<td>NSW Department of Education and Training</td>
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<tr>
<td>DIMA</td>
<td>Department of Immigration and Multicultural Affairs</td>
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<tr>
<td>D-IRD</td>
<td>Discovery-Indigenous Researchers Development Program</td>
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<tr>
<td>DVC</td>
<td>Deputy Vice-Chancellor</td>
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<tr>
<td>E</td>
<td>Description</td>
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<tr>
<td>EB</td>
<td>Enterprise Bargaining</td>
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<tr>
<td>EFTSU</td>
<td>Equivalent Full-Time Student Unit</td>
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<tr>
<td>EFTSL</td>
<td>Equivalent Full-Time Student Load</td>
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<tr>
<td>EIP</td>
<td>Evaluations and Investigations Program</td>
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<tr>
<td>ELICOS</td>
<td>English Language Intensive Course of Study</td>
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<tr>
<td>EMU</td>
<td>Electron Microscope Unit</td>
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<tr>
<td>ESOS Act</td>
<td>Education Services for Overseas Student Act</td>
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<tr>
<td>F</td>
<td>Description</td>
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<tr>
<td>FFT</td>
<td>Fractional Full-Time (Equivalent Staff)</td>
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<td>FlexSIS</td>
<td>Flexible Student Information System</td>
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<td>FHS</td>
<td>Faculty of Health Sciences</td>
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<tr>
<td>FMO</td>
<td>Facilities Management Office</td>
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<td>FOS</td>
<td>Field of Study</td>
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<td>FTE</td>
<td>Full-Time Equivalent (Staff)</td>
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<td>FRM</td>
<td>Faculty of Rural Management</td>
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<td>G</td>
<td>Description</td>
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<tr>
<td>GATS</td>
<td>General Agreement on Trade in Services</td>
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<tr>
<td>GCCA</td>
<td>Graduate Careers Council of Australia</td>
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<td>GDS</td>
<td>Graduate Destination Survey</td>
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<td>GPOF</td>
<td>General Purpose Operating Funds</td>
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<td>GSA</td>
<td>Graduate Skills Assessment</td>
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<td>GSG</td>
<td>Graduate School of Government</td>
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<td>GWSLN</td>
<td>Greater Western Sydney Learning Network</td>
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<td>H</td>
<td>Description</td>
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<tr>
<td>HDR</td>
<td>Higher Degree Research</td>
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<td>HECS</td>
<td>Higher Education Contribution Scheme</td>
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<td>HEEP</td>
<td>Higher Education Equity Program</td>
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For the latest updates, visit Handbooks online.  
http://www.usyd.edu.au/handbooks
<table>
<thead>
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<td>HEFA</td>
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Glossary

For a table of the more commonly used acronyms and abbreviations that appear in University documents and publications please see the abbreviations section.

This glossary describes terminology in use at the University of Sydney.

**A**

**Academic Board**
The senior academic body within the University. In conjunction with faculties, the Academic Board has responsibility for approving, or recommending to Senate for approval, new or amended courses and units of study and policy relating to the admission and candidature of students. (For further information, see the University Calendar.)

**Academic cycle**
The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester One through to the completion of the processing of results at the end of Semester Two. (See also Stage.)

**Academic dishonesty**
Academic dishonesty occurs when a student presents another person’s ideas, findings or written work as his or her own by copying or reproducing them without due acknowledgement of the source and with intent to deceive the examiner. Academic dishonesty also covers recycling, fabrication of data, engaging another person to complete an assessment or cheating in exams. (See also Plagiarism.)

**Academic record**
The complete academic history of a student at the University. It includes, among other things: personal details; all units of study and courses taken; assessment results (marks and grades); awards and prizes obtained; infringements of progression rules; approvals for variation in course requirements and course leave; thesis and supervision details.
Access to a student’s academic record is restricted to authorised University staff and is not released to a third party without the written authorisation of the student. (See also Academic transcript.)

**Academic transcript**
A printed statement setting out a student’s academic record at the University. There are two forms of academic transcript: external and internal. (See also External transcript, Internal transcript.)

**Academic year**
The current calendar year in which a student is enrolled. (See also Academic cycle, Stage.)

**Admission**
Governed by the University’s admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC, with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

**Admission (Deferment)**
An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

**Admission mode**
A classification based on how a student was admitted to a course, for example ‘UAC’ or ‘direct’.

**Admission period**
The period during which applications for admission to courses are considered.

**Admission year**
The year the student expects to begin the course (see also Commencement date.)

**Advanced diplomas**
(See Award course.)

**Advisor**
A member of academic staff appointed in an advisory role for some postgraduate coursework students. (See also Associate supervisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

**Aegrotat**
In exceptional circumstances involving serious illness or death of a student prior to completion of their course, the award of aegrotat and posthumous degrees and diplomas may be conferred.

**Alumni sidneiensis**
A searchable database of graduates of the University from 1857 to 30 years prior to the current year.

**Annual average mark (AAM)**
The average mark over all units of study attempted in a given academic year (equivalent to the calendar year).

The formula for this calculation is:

\[ AAM = \frac{\sum (marks \times credit\ point\ value)}{\sum (credit\ point\ value)} \]

(sums over all units of study completed in the selected period)

Where the mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0. Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included.

**Annual progress report**
A form which is used to monitor a research student’s progress each year. The form provides for comments by the student, the supervisor, the head of the department and the dean (or their nominee). The completed form is attached to the student’s official file.

**Appeals**
Students may lodge an appeal against academic or disciplinary decisions. An academic appeal (e.g. against exclusion) is managed by the Student Centre – Exclusions Office while it is under consideration and a record of the outcome of the appeal will be retained.
Assessment
The process of measuring the performance of students in units of study and courses. Performance may be assessed by examinations, essays, laboratory projects, assignments, theses, treatises or dissertations. (See also Result processing, Result processing schedule.)

Formative assessment
Formative assessment is used principally to provide students with feedback on their progress in learning. It reinforces successful learning, and is an opportunity for students to expose the limitations in their knowledge and understanding.

Summative assessment
Summative assessment is used to certify competence, or to arrange students in a rank order of merit. It certifies the attainment of a standard, and is used as the basis for progression to the next part of a program, or to graduation.

Associate supervisor
A person who is appointed in addition to the supervisor of a research student, who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision. (See also Advisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

Assumed knowledge
For some units of study, a student is assumed to have passed a relevant subject at the HSC and this is called assumed knowledge. While students are generally advised against taking a unit of study for which they do not have the assumed knowledge, they are not prevented from enrolling in the unit of study. (See also Prerequisite.)

Attendance pattern
Attendance pattern is classified as full-time, part-time or external, this is dependant on the student's mode of attendance and the student load.

Attendance mode
A Department of Education, Science and Technology (DEST) classification defining the manner in which a student is undertaking a course, i.e. internal, external, mixed or offshore.

Australian Qualifications Framework (AQF)
The framework for recognition and endorsement of qualifications established by the Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA).

AUSTUDY
Austudy provides financial help to students who are aged 25 years or more who meet the required criteria, and are undertaking an approved full-time course at an approved institution. (See also Youth Allowance.)

Automated Results Transfer System (ARTS)
This system was developed by the Australasian Conference of Tertiary Admissions Centres (ACTAC) to allow the electronic academic record of a student to be accessed, via an admission centre, by tertiary institutions.

Award course
(See Course.)
College of Sciences and Technology (CST)
Consists of the Faculties of Agriculture, Food and Natural Resources; Architecture; Engineering; Rural Management; Science, and Veterinary Science.

Combined course
A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree
A combined degree is a single program with a single set of course resolutions leading to the award of two degrees (unless otherwise specified in the resolutions). (See also Combined course.)

Commencement date
The date a student commences candidature.

Commonwealth-supported student
Most of the students who study at the University of Sydney are Commonwealth supported. These students have most of the cost of their education paid by the government but must also contribute towards this cost themselves (their student contribution).

Compulsory subscriptions
Each enrolled student is liable to pay annual (or semester) subscriptions, as determined by the Senate, to the student organisations at the University. There are different organisations for undergraduate and postgraduate students.

The student organisations are specific to different campuses. The organisations at campuses other than Camperdown and Darlington include: the Conservatorium Student Association, the Cumberland Student Guild, the Orange Agricultural College Student Association and the Student Association of Sydney College of the Arts. (See also Compulsory subscription exemption, Joining fee, Life membership.)

Compulsory subscription exemption
Students of a certain age or those with disabilities or medical conditions may be exempt from the subscription to the sports body. Conscientious objectors to the payment of subscriptions to unions of any kind may apply to the Registrar for exemption. The Registrar may permit such a student to make the payment to the Jean Foley Bursary Fund instead. (See also Compulsory subscriptions.)

Confirmation of Enrolment form (COE)
This form is issued to each student after enrolment, showing the course and the units of study in which the student is enrolled, together with the credit point value of the units of study and the HECS weights. Until all fees are paid, it is issued provisionally. A new confirmation of enrolment form is produced every time a student's enrolment is varied.

Conjoint ventures
Two or more institutions cooperate to provide a unit or course of study to postgraduate coursework students. Arrangements exist between individual departments at the University of Sydney and individual departments at the University of New South Wales (UNSW) and the University of Technology Sydney (UTS), whereby students enrolled for a degree at one institution complete one or more units of study at the other institution to count towards the award program at their 'home' institution.

Continuing professional education
A process which provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education and a number of departments and foundations across the University. This process supports the whole of life learning concept and involves the maintenance of a long term relationship between the student and the University.

Convocation
The body comprising all graduates of the University.

Core unit of study
A unit of study that is compulsory for a particular course or subject area. (See also Unit of study.)

Corequisite
A unit of study which must be taken in the same semester or year as a given unit of study (unless it has already been completed). These are determined by the faculty or board of studies concerned, published in the faculty handbook and shown in FlexSIS. (See also Prerequisite, Waiver.)

Cotutelle Scheme
Agreement between the University and any overseas university for joint supervision and examination of a PhD student as part of an ongoing cooperative research collaboration. If successful, the student receives a doctorate from both universities with each testamur acknowledging the circumstances under which the award was made.

Course
An undertaking of study at the University of Sydney.

Award course
A formal course of study that will see attainment of a recognised award. Award courses are approved by Senate, on the recommendation of the Academic Board. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research. (See also Bachelor's degree, Course rules, Diploma, Doctorate, Major, Master's degree, Minor, PhD, Stream.)

Non-award course
Studies undertaken by students who are not seeking an award from the University. (See also Cross-institutional enrolment.)

Coursework
An award course not designated as a research award course. While the program of study in a coursework award course may include a component of original, supervised, other forms of instruction and learning normally will be dominant.

Research
A course in which at least 66 per cent of the overall course requirements involve students in undertaking supervised research, leading to the production of a thesis or other piece of written or creative work, over a prescribed period of time.

Course alias
A unique five character alpha-numeric code which identifies a University course.

Course code
(See Course alias.)

Course enrolment status
A student's enrolment status in a course is either 'enrolled' or 'not enrolled'. 'Not enrolled' reasons include: cancelled; suspended; under examination; or terminated. (See also Cancellation, Candidature, Course leave, Enrolment, Enrolment variation, Terminated, Under examination.)

Course leave
Students are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising faculty for a minimum of one semester. Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level, leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to formally reapply for admission. (See also Progression.)

Course rules
Rules which govern the allowable enrolment of a student in a course. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated, e.g. a candidate
may not enrol in units of study having a total value of more than 32 credit points per semester. Course rules also govern the requirements for the award of the course, e.g. a candidate must have completed a minimum of 144 credit points. (See also Award course, Corequisite, Prerequisite.)

**Course suspension**
(See Course leave.)

**Course transfer**
A transfer occurs when a student changes from one course in the University to another course in the University without the requirement for an application and selection process (e.g. from a PhD to a master's program in the same faculty).

**Credit**
The recognition of previous studies successfully completed at this University, or another university or tertiary institution recognised by the University of Sydney, as contributing to the requirements of the course to which the applicant requesting such recognition has been admitted. Credit may be granted as specified credit or non-specified credit.

**Specified credit**
The recognition of previously completed studies as directly equivalent to units of study.

**Non-specified credit**
A 'block credit' for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study. (See also AAM – Annual average mark, Waiver, Weighted average mark (WAM).)

**Credit points**
The value of the contribution each unit of study provides towards meeting course completion requirements. Each unit of study will have a credit point value assigned to it. The total number of credit points required for completion of award courses will be specified in the Senate Resolutions relevant to the award course.

**Cross-institutional enrolment**
An enrolment in units of study at one university to count towards an award course at another university. Cross-institutional enrolments incur a student-contribution liability (see Commonwealth-supported student) or tuition fee charge at the institution at which the unit of study is being undertaken. (See also Non-award course).

**Dean's certificate**
A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all faculties use Dean's Certificates. In faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

**Deferral (Deferral)**
(See Admission (deferment), Course leave.)

**Degree**
(See also Award course, Bachelor's degree.)

**Delivery mode**
Indicates how students receive the instruction for a unit of study. The delivery mode must be recorded for each unit as distinct from the attendance mode of the student, i.e. an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

**Distance education**
Where subject matter is delivered in a more flexible manner, such as correspondence notes, and student may only attend campus if required. (See also Extended semester, Distance education, International – off shore.)

**Intensive on campus**
Attendance of scheduled lectures, tutorials etc at a campus of the University.

**Department**
(See School.)

**Department of Education, Science and Training (DEST)**
The Commonwealth Government department responsible for higher education.

**Differential HECS**
(See Higher Education Contribution Scheme (HECS).)

**Diploma**
The award granted following successful completion of diploma course requirements. A diploma course usually requires less study than a degree course. (See also Award course.)

**Direct admissions**
For some courses, applications may be made directly to the University. Applications are received by faculties or the International Office, and considered by the relevant department or faculty body. Decisions are recorded and letters are forwarded to applicants advising them of the outcome. (See also Admission, UAC.)

**Disability information**
Students may inform the University of any temporary or permanent disability which affects their life as a student. Disability information is recorded but it is only available to particular authorised users because of its sensitive nature.

**Disciplinary action**
Undertaken as the result of academic or other misconduct, e.g. plagiarism, cheating, security infringement, criminal activity.

**Discipline**
A defined area of study, for example, chemistry, physics, economics.

**Discipline group**
A DEST code used to classify units of study in terms of the subject matter being taught or being researched.
Discontinuation (course)
(See Enrolment variation.)

Discontinuation (unit of study)
(See Enrolment variation.)

Dissertation
A written exposition of a topic which may include original argument substantiated by reference to acknowledged authorities. It is a required unit of study for some postgraduate award courses in the faculties of Architecture and Law.

Distance education
Where a student does not attend campus on a daily basis for a given course or unit of study. (See also Delivery mode, Extended semester.)

Doctorate
A high-level postgraduate award. A doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a doctorate course often requires completion of a master's degree course. Note that the doctorate course is not available in all departments at the University. (See also Award course, PhD.)

Domestic Student
A student who is not an international student. (See also Local student.)

Double degree
A double degree is a program where students are permitted by participating faculties (and/or by specific resolutions within a single award) to transfer between courses in order to complete two awards.

Downgrade
Where a student enrolled in a PhD reverts to a master's by research, either on the recommendation of the University on the basis that the research they are undertaking is not at an appropriate level for a PhD; or at the student's own request, for personal or academic reasons.

Equivalent full-time student unit (EFTSU)
The equivalent full-time student unit (EFTSU) is a measure of student load based on the workload for a student undertaking a full year of study in a particular course. A student is then recorded as having generated one EFTSU. (See also Load, Stage.)

Equivalent full-time student load (EFTSL)
The equivalent full-time student load (EFTSL) for a year. It is a measure, in respect of a course of study, of the study load for a year of a student undertaking that course of study on a full-time basis (effective 1 January 2005).

Embedded courses
Award courses in the graduate certificate, graduate diploma and master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards, e.g. the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology.

Enrolment
A student enrolls in a course by registering with the supervising faculty in the units of study to be taken in the coming year, semester or session.

Commencing
An enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time.

Continuing
Students already in a course at the University re-enrol each year or semester. Most continuing students are required to pre-enrol. (See also Pre-enrolment.)

Enrolment list
A list of all currently enrolled students in a particular unit of study. (See also Unit of study.)

Enrolment status
(See Course enrolment status.)

Enrolment Variation
Students may vary their enrolment at the beginning of each semester. Each faculty determines its deadlines for variations, but HECS liability depends on the HECS census date. (See also HECS.)

Examination
A set of questions or exercises evaluating on a given subject given by a department or faculty. (See Examination period, Assessment.)

Examination period
The time set each semester for the conduct of formal examinations.

Examiner (Coursework)
The person assessing either the written/oral examination, coursework assignments, presentations, etc of a student or group of students.

Exchange student
Either a student of the University of Sydney who is participating in a formally agreed program involving study at an overseas university or an overseas student who is studying here on the same basis. The International Office provides administrative support for some exchanges.

Exclusion
A faculty may ask a student whose academic progress is considered to be unsatisfactory to 'show good cause' why the student should be allowed to re-enrol. If the faculty deems the student's explanation unsatisfactory, or if the student does not provide an explanation, the student may be excluded either from a unit of study or from a course or faculty. An excluded student may apply to the faculty for permission to re-enrol. Normally, at least two years must have elapsed before such an application would be considered.

University policy relating to exclusion is set out in the University Calendar. (See also Progression, Senate appeals.)

Exemption
A decision made at a sub-unit of study level to allow a student to complete a unit of study without also completing all the prescribed components of coursework and/or assessment. (See also Credit, Waiver.)

Expulsion
The ultimate penalty of disciplinary action is to expel the student from the University. The effect of expulsion is:

• the student is not allowed to be admitted or to re-enrol in any course at the University;
• the student does not receive their results;
• the student is not allowed to graduate; and
• the student does not receive a transcript or testamur.

Extended semester
A distance-learning student may be allowed more time to complete a module or program if circumstances beyond the student's control, e.g. drought, flood or illness, affect the student's ability to complete the module or program in the specified time. (See also Distance education.)

External
(See Attendance mode, Distance education.)

External transcript
A certified statement of a student's academic record printed on official University security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all units of study attempted within each course together with the result. It also acknowledges prizes the student has received.
Marks can be included or omitted, as required. (See also Academic transcript, Internal transcript.)

F

Faculty
A formal part of the University's academic governance structure, consisting mainly of academic staff members and headed by a dean, which is responsible for all matters concerning the award courses that it supervises. Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The University Calendar sets out the constitution of each of the University's faculties. (See also Board of Studies, Supervising faculty.)

Faculty handbook
The annual University publication for each faculty which provided detailed information about the faculty and its courses.

FEE-HELP Loan
Fee-paying students who are Australian citizens or holders of a Permanent Humanitarian Visa can gain assistance in paying their fees through the Commonwealth Government’s FEE-HELP program. There is a $50,000 limit to the amount students can borrow and a 20 per cent loan fee on the amounts borrowed through FEE-HELP.

Fee-paying students
Students who pay tuition fees to the University and are not liable for HECS.

Fellows of Senate
Members of the governing body of the University.

Flexible learning
(See Delivery mode, Distance education.)

Flexible start date
Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or HECS students.

Flexible Student Information System (FlexSIS)
The computer-based Flexible Student Information System at the University of Sydney. FlexSIS holds details of courses and units of study being offered by the University and the complete academic records of all students enrolled at the University.

Formative assessment
(See Assessment.)

Full-time student
(See also Attendance pattern, EFTSUs.)

G

Grade
The outcome for a unit of study linked with a mark range. For example, a mark in the range 85–100 attracts the grade 'high distinction' ('HD'). (See also Mark.)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD</td>
<td>High distinction</td>
<td>A mark of 85–100.</td>
</tr>
<tr>
<td>D</td>
<td>Distinction</td>
<td>A mark of 75–84.</td>
</tr>
<tr>
<td>CR</td>
<td>Credit</td>
<td>A mark of 65–74.</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
<td>A mark of 50–64.</td>
</tr>
<tr>
<td>R</td>
<td>Satisfied requirements</td>
<td>This is used in pass/fail only outcomes.</td>
</tr>
<tr>
<td>UCN</td>
<td>Unit of study continuing</td>
<td>Used at the end of semester for units of study that have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the unit of study.</td>
</tr>
</tbody>
</table>

Graduand
A student who has completed all the requirements for an award course but has not yet graduated. (See also Graduation, Potential graduand.)

Graduate
A person who holds an award from a recognised tertiary institution. (See also Graduand, Graduation.)

Graduate Certificate
(See Award course.)

Graduate Diploma
(See Award course.)

Graduate entry degree
A bachelor's, or undergraduate degree, that requires another undergraduate degree as a prerequisite of entry. Examples of graduate entry degrees at the University of Sydney include: the Medical Program; Graduate Law and the Bachelor of Dentistry.

Graduation
The formal conferring of awards either at a ceremony or in absentia. (See also In absentia, Potential graduand.)

Graduation ceremony
A ceremony where the Chancellor confers awards upon graduands.
Group work
Means a formally established project to be conducted by a number of students in common, resulting in a single piece of assessment or a number of associated pieces of assessment. (See also Legitimate cooperation.)

Grand Weighted Average Mark (GWAM)
Is the WAM calculated over all units of study undertaken in a degree course (except those "Discontinued – Not to count as failure" and those with only a "Satisfied Requirements" result), weighted according to credit point value and the year-levels (1, 2, 3 or 4) of the units of study. The GWAM may be expressed as:

\[ GWAM = \frac{\sum (\text{Mark} \times \text{Credit Points} \times \text{Year})}{\sum (\text{Credit Points} \times \text{Year})} \]

H
Handbook
(See Faculty handbook.)

Head of department (HOD)
The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

Higher doctorates
(See Award course.)

HECS (Higher Education Contribution Scheme)
Higher Education Contribution Scheme (HECS)
The Higher Education Contribution Scheme (HECS) was the previous Commonwealth Government student loan scheme. It ceased to operate on 1 January, 2005 and was replaced by HECS-HELP (see below).

HECS-HELP Loan
Commonwealth supported students who are Australian citizens or holders of a Permanent Humanitarian Visa can choose to pay their contributions upfront or to obtain a HECS-HELP loan from the Commonwealth. A HECS-HELP loan is repaid through the tax system once the student is working and their income reaches a threshold (currently around $35 000). Students who choose to pay their student contribution upfront receive a 20 per cent discount. The student's contribution is calculated twice a year (before each semester).

Honorary degrees
A degree honoris causa (translated from the Latin as 'for the purpose of honouring') is conferred on a person whom the University wishes to honour. Long-standing full-time members of the University's academic staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission ad eundem gradum, to an appropriate degree of the University.

Honours
Some degrees may be completed 'with Honours'. This may involve either the completion of a separate honours year or additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a class (Class I, Class II – which may have two divisions or, Class III).

NSW Higher School Certificate (HSC)
The NSW Higher School Certificate (HSC), which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

In absentia
Latin for 'in the absence of'. Awards are conferred in absentia when graduands do not, or cannot, attend the graduation ceremony scheduled for them. Those who have graduated in absentia may later request that they be presented to the Chancellor at a graduation ceremony. (See also Graduation.)

Instrumental supervisor/teacher
All students at the Sydney Conservatorium of Music and BMus students on the Camperdown Campus have an instrumental teacher appointed. (See also Advisor, Associate supervisor, Research supervisor, Supervision.)

Internal mode
(See Attendance mode.)

Internal transcript
A record of a student's academic record for the University's own internal use. It includes the student's name, student identifier (SID), address, all courses in which the student was enrolled and the final course result, and all units of study attempted within each course together with the unit of study result. (See also Academic transcript, External transcript.)

International student
Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. An international student is required to hold a visa that allows study in Australia and may be liable for international tuition fees.

Fee-paying
A private International Student who is liable to pay tuition fees for their studies with the University.

Fee-paying – Outgoing exchange
An international fee-paying student undertaking short term study at a recognised overseas institution with which the University has a student exchange agreement. Exchange study counts towards the student's University of Sydney award and students remain enrolled in their University of Sydney course during the period of exchange.

International – cross-institutional
An international fee paying student undertaking non-award study at the University on a cross-institutional basis. They are liable to pay fees for the study they undertake at the University, but there is no compliance reporting requirement, which rests with their 'home' institution.

International – Sponsored
A private international student who is fully sponsored for his/her tuition; his/her sponsorship may also cover Overseas Health Cover and Compulsory Subscriptions.

Offshore studies
International offshore students undertake their program of study at one of the University's offshore campuses and hence do not enter Australia; therefore they do not require a visa. The are distinct from international students who are on outbound exchange programs as they never enter Australia during their program of study.

Short course
An international fee-paying student undertaking a short course with the University of Sydney comprising such programs as international development programs, executive training or study visits. The study undertaken by these students is non-award and generally a student visa is not required.

Sponsored award
An international student sponsored by the Australian government, undertaking a program of study at the University. Currently Australian Development Scholarships holders, funded by AusAID, are the only students in this category. These students are fully sponsored for their tuition and other costs such as travel and health cover, and are paid a stipend.

Study Abroad
An international student who is undertaking short-term study at the
A postgraduate award. Master's degree courses may be offered by Master's degree performance in a unit of study. (See also Grade.)

Mark that students must not enrol in the units simultaneously. have so much overlap in the teaching times that it has been decided The term used when a student attempts to enrol in units of study which Major timetable clash this would consist of specified units of study from later stages of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. Student load is measured in terms of Equivalent full-time student units (EFTSU). (See also Equivalent full-time student units (EFTSU).)

Load The sum of the weights of all the units of study in which a student is enrolled. The weight is determined by the proportion of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. Student load is measured in terms of Equivalent full-time student units (EFTSU). (See also Equivalent full-time student units (EFTSU).)

Local Student Either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their Higher Education Contribution Scheme (HECS) fees upfront. (See also Commonwealth-supported student, Domestic student, International student.)

Major A field of study, chosen by a student, to represent their principal interest. this would consist of specified units of study from later stages of the award course. Students select and transfer between majors by virtue of their selection of units of study. One or more majors may be awarded upon the graduand's assessment of study. (See also Award course, Minor, Stream.)

Major timetable clash The term used when a student attempts to enrol in units of study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units simultaneously.

Mark An integer (rounded if necessary) from 0 to 100 indicating a student's performance in a unit of study. (See also Grade.)

Master's degree A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an honours year at an undergraduate level. (See also Award course.)

Method of candidature A course is either a research course or a coursework course and so the methods of candidature are 'research' and 'coursework'. (See also Course – Coursework, Course – Research.)

Minor Studies undertaken to support a Major. Requiring a smaller number of credit points than a major students select and transfer between minors (and majors) by virtue of their selection of units of study. One or more minors may be awarded upon the graduand’s assessment of study. (See also Award course, Major, Stream.)

Mixed mode (See Attendance mode.)

MPhil The Master of Philosophy (MPhil) is a master's by research degree offered by some (but not all) of the University’s faculties. (See also Award course, Master's degree.)

Mutually exclusive units of study (See Prohibited combinations of units of study.)

MyUni The University of Sydney’s student portal system. It provides students with access to information about the University and its courses, including access to email, library services, student support services, student self-administration and e-learning software such as Blackboard and WebCT.

Non-award course (See Course.)

Non-standard session A teaching session other than the standard February and August sessions – e.g. Summer School, in which units of study are delivered and assessed in an intensive mode during January. (See also Semester, Session.)

Orientation Week Orientation or 'O Week', takes place in the week before lectures begin in Semester One. During O Week, students can join various clubs, societies and organisations, register for courses with departments and take part in activities provided by the University of Sydney Union.

Part-time student (See Attendance mode, Attendance pattern, Equivalent full-time student units (EFTSU).)

Permanent home address The address used for all official University correspondence with a student, both inside and outside of semester time (e.g. during semester breaks), unless the student provides a different overridden by semester address for use during the semester. (See also Semester address.)

PhD The Doctor of Philosophy (PhD) and other doctorate awards are the highest awards available at the University. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. (See also Award course, Doctorate.)
Plagiarism
Presenting another person's ideas, findings or work as one's own by copying or reproducing them without the acknowledgement of the source. (See also Academic dishonesty.)

Postgraduate
A term used to describe a course leading to an award such as graduate diploma, a master's degree or PhD which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A 'postgraduate' is a student enrolled in such a course. (See also Course – Coursework, Course – Research.)

Postgraduate Education Loans Scheme (PELS)
An interest-free loans facility for eligible students who are enrolled in fee-paying, postgraduate non-research courses. It is similar to the deferred payment arrangements available under the Higher Education Contribution Scheme (HECS). This scheme was replaced by the FEE-HELP scheme on 1 January 2005. (See FEE-HELP Loan.)

Potential graduand
A student who has been identified as being eligible to graduate on the satisfactory completion of their current studies. (See also Graduand, Graduation.)

Pre-enrolment
Pre-enrolment – also known as provisional re-enrolment – takes place in October, when students indicate their choice of unit of study enrolment for the following year. After results are approved, pre-enrolment students are regarded as enrolled in those units of study for which they are qualified. Their status is ‘enrolled’ and remains so provided they pay any money owing and comply with other requirements by the due date. Students who do not successfully pre-enrol in their units of study for the next regular session are required to attend the University on set dates during the January/February enrolment period. (See also Enrolment.)

Prerequisite
A unit of study that is required to be successfully completed before another unit of study can be attempted. Prerequisites can be mandatory (compulsory) or advisory. (See also Assumed knowledge, Corequisite, Waiver, Qualifier.)

Prizes
Awarded in recognition of outstanding performance, academic achievement or service to the community or University.

Probationary candidature
A student who is enrolled in a postgraduate course on probation for a period of time up to one year. The head of department is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the faculty.

Professional practice
Students undertake placement in a professional practice as a part of their course requirements. May require University approved supervision. Professional placements are located in a wide range of professional practices environments, and may not require additional criteria to be fulfilled.

Progression
Satisfactory progression is satisfying all course and faculty rules (normally assessed on an annual basis) to enable the completion of the chosen award within the (maximum) completion time allowed. (See also Exclusion.)

Prohibited combinations of units of study
When two or more units of study contain a sufficient overlap of content, enrolment in any one such unit prohibits enrolment in any other identified unit. (See also unit of study.)

Provisional re-enrolment
(See Pre-enrolment.)

Q
Qualification
An academic attainment recognised by the University.

Qualifier
A mandatory (compulsory) prerequisite unit of study which must have a grade of pass or better. (See also Assumed knowledge, Corequisite, Prerequisite, Waiver.)

R
Recycling
The submission for assessment of one's own work, or of work which substantially the same, which has previously been counted towards the satisfactory completion of another unit of study, and credited towards a university degree, and where the examiner has not been informed that the student has already received credit for that work.

Registration
In addition to enrolling with the faculty in units of study, students must register with the department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of units attempted by the student.

Research course
(See Course – Research.)

Research supervisor
A supervisor is appointed to each student undertaking a research postgraduate degree. The supervisor will be a full-time member of the academic staff or a person external to the University recognised for their association with the clinical teaching or the research work of the University. A research supervisor is commonly referred to as a supervisor. (See also Advisor, Associate supervisor, Instrumental supervisor/teacher, Supervision.)

Result processing
Refers to the processing of assessment results for units of study. For each unit of study, departments tabulate results for all assessment activities and assign preliminary results. (See also Assessment, Formative assessment, Examination period, Summative assessment.)

Result processing schedule
The result processing schedule will be determined for each academic cycle. All departments and faculties are expected to comply with this schedule. (See also Assessment, Examination period, Result processing.)

Result
The official statement of a student’s performance in each unit of study attempted as recorded on the academic transcript, usually expressed as a mark and grade. (See also Grade, Mark.)

Research Training Scheme (RTS)
The RTS provides Commonwealth-funded higher degree by research (HDR) students with an 'entitlement' to a HECS exemption for the duration of an accredited HDR course, up to a maximum period of four years full-time equivalent study for a doctorate by research and two years full-time equivalent study for a master's by research.

S
Scholarships
Financial or other form of support made available to enable students to further their studies. (See also Bursaries.)
School
A school or academic unit shall encourage and facilitate teaching, scholarship and research and coordinate the teaching and examining duties of members of staff in the subjects or courses of study with which it is concerned.

Semester
A half-yearly teaching session whose dates are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates (non-standard session) must be given special permission by the Academic Board. (See also Session, Non-standard session.)

Semester address
The address to which all official University correspondence is sent during semester time, if it is different to the permanent address.

Senate
The governing body of the University. (See the University Calendar for more details of its charter and powers.)

Senate appeals
Senate appeals are held for those students who, after being excluded by a faculty from a course, appeal to the Senate for readmission. While any student may appeal to the Senate against an academic decision, such an appeal will normally be heard only after the student has exhausted all other avenues, i.e. the department, faculty, board of study and, in the case of postgraduates, the Committee for Graduate Studies. (See also Exclusion.)

Session
Any period of time during which a unit of study is taught. A session differs from a semester in that it need not be a six-month teaching period, but it cannot be longer than six months. Each session maps to either Semester One or Two for DEST reporting purposes. Session offerings are approved by the relevant dean, taking into account all the necessary resources, including teaching space and staffing. The Academic Board must approve variation to the normal session pattern. (See also Semester, Non-standard teaching period.)

Session address
(See Semester address.)

Short course
A fee paying student undertaking a short course with the University of Sydney comprising professional development, executive training etc. The study undertaken by these students is a non-award course.

Show cause
(See Progression, Exclusion.)

Special consideration
Candidates who suffer serious illness or misadventure which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

Sponsorship
Financial support of a student by a company or government body.

Stage
A normal full-time course of study taken in a year. (See also Course rules, EFTSU, Progression.)

Stream
A defined award course, which requires the completion of set units of study as specified by the course rules for the particular stream, in addition to the core program specified by the course rules. A stream will appear with the award course name on transcripts, e.g. Bachelor of Engineering in Civil Engineering (Construction Management). (See also Award course, Major, Minor.)

Student
Student means a person enrolled as a candidate for an award course or unit of study.

Student identifier (SID)
A nine-digit number which uniquely identifies a student at the University.

Student ID Card
All students who enrol are issued with an identification card. The card includes the student’s name, SID, the course code, a library borrower’s bar code and a passport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student progress rate (SPR)
A calculation which measures the rate at which load undertaken is passed annually in each award program.

Student type
Student type identifies whether a student is local or international and the type of study the student is undertaking. (See also International student, Domestic student, Exchange student.)

Study Abroad program
A scheme administered by the International Office which allows international students who are not part of an exchange program to take units of study at the University of Sydney, but not towards an award program. In most cases the units of study taken here are credited towards an award at their home institution. (See also Exchange student.)

Subject area
A unit of study may be associated with one or more subject areas. The subject area can be used to define prerequisite and course rules, e.g. the unit of study ‘History of Momoyama and Edo Art’ may count towards the requirements for the subject areas ‘Art History and Theory’ and ‘Asian Studies’.

Summative assessment
See Assessment.

Summer School
(See Sydney Summer School.)

Supervising faculty
The faculty which has the responsibility for managing the academic administration of a particular course, i.e. the interpretation and administration of course rules, approving students’ enrolments and variations to enrolments. Normally the supervising faculty is the faculty offering the course. However, in the case of combined courses, one of the two faculties involved will usually be designated the supervising faculty. Further, in the case where one course is jointly offered by two or more faculties (e.g. the Liberal Studies course), a joint committee may make academic decisions about candidature and the student may be assigned a supervising faculty for administration.

Supervision
Refers to a one-to-one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the role. (See also Advisor, Associate supervisor, Instrumental supervisor/teacher, Research supervisor.)

Suppression of results
Results for a particular student can be suppressed by the University when the student has an outstanding debt to the University; or the student is facing disciplinary action. A student may also request a suppression for personal reasons.

Suspension
(See Course leave.)

Sydney Summer School
A program of accelerated, intensive study running for approximately six weeks during January and February each year. Both undergraduate and postgraduate units are offered. Summer School provides an opportunity for students at Sydney and other universities to catch up.
on needed units of study, to accelerate completion of a course or to undertake a unit that is outside their award course. All units attract full fees and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

Semester Weighted Average Mark (SWAM)
Is the WAM calculated over all units of study undertaken in a semester (except those ‘Discontinued – Not to count as failure’ and those with only a ‘Satisfied Requirements’ result), weighted according to credit point value. The SWAM may be expressed as:

$$SWAM = \frac{\sum (Mark \times Credit \ points)}{\sum (Credit \ points)}$$

T
Teaching department
(See School.)
Teaching end date
Official finish date of formal timetabled classes.
Teaching start date
Official commencement date of formal timetabled classes.
Terminated
Term used when a student’s candidature has been officially closed because they are not able to complete the Course requirements. (See also Candidature.)
Testamur
A certificate of award provided to a graduand, usually at a graduation ceremony. The Award conferred will be displayed along with other appropriate detail.
Thesis
A major work that is the product of an extended period of supervised independent research. (See also Course – Research.)
Timetable
The schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.
Transcript
(See Academic transcript.)
Transfer
(See Course transfer.)
Tuition fees
Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

U
Universities Admissions Centre (UAC)
The UAC receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing, local undergraduate students at the University apply through the UAC.

Universities Admission Index (UAI)
A measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC, and is a number between 0.00 and 100.00 with increments of 0.05.

Under examination
Indicates that a research student has submitted their written work (thesis) for assessment, and is awaiting the finalisation of the examiners’ outcome and recommendation.

Undergraduate
A term used to describe both a course leading to a diploma or bachelor’s degree and a student enrolled in such a course.

Unit of study
Unit of study or unit means a stand-alone component of an award course. Each unit of study is the responsibility of a department. (See also Prohibited combinations of unit of study.)

Unit of study enrolment status
The enrolment status indicates whether the student is still actively attending the unit of study (i.e. currently enrolled) or is no longer enrolled. (See also Discontinuation or Cancellation.)

Unit of study level
Units of study are divided into Junior, Intermediate, Senior, Honours, Year 5, and Year 6. Most majors consist of 32 Senior credit points in a subject area (either 3000 level units of study or a mix of 2000 and 3000 level units of study).

University
Unless otherwise indicated, University in this document refers to the University of Sydney.

University Medal
A faculty may recommend the award of a University Medal to a student qualified for the award of an undergraduate honours degree (or some master’s degrees), whose academic performance is judged to be outstanding.

Upgrade
Where a student enrolled in a master's by research course is undertaking research at such a standard that either the University recommends that the student upgrade their degree to a PhD, or the student seeks to upgrade to a PhD and this is supported by the University.

USYDnet
The University of Sydney’s intranet system. It provides access to other services such as directories (maps, staff and student, organisations), a calendar of events (to which staff and students can submit entries), and a software download area.

V
Variation of enrolment
(See Enrolment variation.)

Vice-Chancellor and Principal
The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor and Principal is head of both academic and administrative divisions.

W
Waiver
In a prescribed course, a faculty may waive the prerequisite or corequisite requirement for a unit of study or the course rules for a particular student. Unlike credit, waivers do not involve a reduction in the number of credit points required for a course. (See also Credit, Exemption.)

Winter School
An intensive session offered by the University during the mid-year break.

Weighted average mark (WAM)
This mark uses the unit of study credit point value in conjunction with an agreed ‘weight’. The formula for this calculation is:
Where $W_c$ is the weighted credit point value — i.e., the product of the credit point value and the level of weighting of 1, 2, 3, or 4 for a first, second, third or fourth year unit of study respectively; and where $M_c$ is the greater of 45 or the mark out of 100 for the unit of study.

The mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark — 0. Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included. (Effective from 1 January 2004.)

In addition, faculties may adopt other average mark formulae for specific progression or entry requirements. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. (See also WAM weight.)

**WAM weight**

A weight assigned to each unit of study to assist in the calculation of WAMs.

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**Y**

**Year of first enrolment (YFE)**

The year in which a student first enrols at the University. (See also Commencement date.)

**Youth Allowance**

Youth Allowance is payable to a full-time student or trainee aged 16–24 years of age who is enrolled at an approved institution such as a school, college, TAFE or university, and undertaking at least 15 hours a week face-to-face contact.
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Second Floor
FACULTY OF ARCHITECTURE
Wilkinson Building (G04)

Fire Exits Highlighted
Follow arrows to nearest Fire Exit

CITY ROAD

Architecture Lecture Theatre 3
Art Workshops Office
Architecture Lecture Theatre 1
Boral Timber Gallery
Digital Media Lab
General Access Computer Lab
Lift
Mens WC
The Sentient
Design Computing Research Students (Mezzanine)

212 Student Admin Centre
210 ICT Centre
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Total credit points