Architecture, Design and Planning handbook

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Acknowledgements

The Arms of the University

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

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Official course information
Faculty handbooks and their respective online updates, along with the University of Sydney Calendar, form the official legal source of information relating to study at the University of Sydney. Please refer to the following websites:
www.usyd.edu.au/handbooks
www.usyd.edu.au/calendar

Amendments
All authorised amendments to this handbook can be found at www.usyd.edu.au/handbooks/handbooks_admin/updates2010

Disability access
An accessible version of this handbook (in Microsoft Word) is available at www.usyd.edu.au/handbooks/handbooks_disability

Resolutions
The Coursework Clause
Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all undergraduate courses, and the relevant resolutions of the Senate.

The Research Clause
All postgraduate research courses must be read in conjunction with the relevant rules and resolutions of the Senate and Academic Board, including but not limited to:
1. The University of Sydney (Amendment Act) Rule 1999 (as amended).
2. The University of Sydney (Doctor of Philosophy (PhD)) Rule 2004.
3. The resolutions of the Academic Board relating to the Examination Procedure for the Degree of Doctor of Philosophy.
4. The relevant faculty resolutions.

Disclaimers
1. The material in this handbook may contain references to persons who are deceased.
2. 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.

Price
The price of this handbook can be found on the back cover and is in Australian dollars. The price includes GST.

Handbook purchases
You can purchase handbooks at the Student Centre, or online at www.usyd.edu.au/handbooks

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For any enquiries relating to the handbook, please email the handbook editors at info@publications.usyd.edu.au

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Website: www.usyd.edu.au

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* Except for the faculties of Dentistry, Medicine and the Master of Pharmacy course. See www.acer.edu.au for details.

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</tr>
<tr>
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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. This handbook supplies a lot of this information. It will also point you to places and people around the University who can help with enquiries about library loans, child care, fees, casual employment, places to eat and stay, support groups and 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 campus.

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

Where to find information

Course terminology
University terminology, such as ‘credit point’, ‘unit of study’, and ‘WAM’, can be found in the Abbreviations and Glossary chapters, 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 and Winter School dates are in the general information section at the back of the handbook.

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. It is divided into two parts, and lists units of study alphabetically (by course name) and again by course code (alphanumeric).

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

Faculty rules and regulations
Faculty resolutions are the rules and regulations that relate 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 is described in the Essential information for students chapter near the end of this book. Together they outline the agreement between student and faculty, and student and University.

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:
• terminology and abbreviations used at the University
• campus maps to help you find your way around
• Summer School and Winter School information
• information for international students
• student services.

Course planner
You might like to plot the course of your degree as you read about your units of study. Use the planner at the back of this handbook.

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

Students with a disability
For accessible (word, pdf and html) versions of this document, see: 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 requirement modifications where appropriate.
For details on registering with the service and online resources, see: www.usyd.edu.au/disability

Handbook updates
The information in this handbook is current at the time of publication. Further information on University policies, such as plagiarism and special consideration, can be found on the University’s website, along with official handbook amendments.
www.usyd.edu.au/handbooks/handbooks_admin/updates2010

Feedback regarding this handbook is welcome.
info@publications.usyd.edu.au
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A message from the Dean

I would like to welcome you to the University of Sydney and to commend your choice to undertake one of the many programs offered by the Faculty of Architecture, Design and Planning.

Over the past 90 years, the faculty has developed a history of innovative thinking in research, teaching and practice across the many fields of the designed environments, both digital and physical. Whatever program you are entering, the faculty offers a world-class education that provides you with the professional and intellectual insight into the vital and current debates in the future of the environments in which we live, work and play.

The faculty offers an unrivalled range of undergraduate and postgraduate coursework and research degrees that deal with the designed and built environments. We have always had a strong presence in the field of architecture and remain the only faculty in Australia to offer specialist programs in architectural (design) sciences. Students can choose urban planning and urban design or combinations of these. And since the 1960s, we have established ourselves as one of the leading centres for the design of digital environments.

You will be joining almost 1300 full-time and part-time undergraduate, postgraduate coursework and research students, post-doctoral fellows and visiting scholars who have come from every corner of the globe. Our students enjoy a wealth of choice in the different options, electives and paths they may take during their studies.

For undergraduate students, in addition to our single-degree programs, the Bachelor of Design in Architecture and Bachelor of Design Computing, we recently added a combined Bachelor of Design in Architecture/Bachelor of Engineering, allowing students to complete both a four-year and three-year qualification in only five years. All our single-degree programs provide the flexibility to expand your study to units offered by other faculties, broadening your intellectual experience.

We encourage the best of our undergraduate students to undertake the honours program and to pursue further research qualifications.

If you wish to specialise after your undergraduate studies, our coursework master's degrees, graduate diplomas and graduate certificates are offered in design science (audio design, building services, illumination design, sustainable design) interaction design and electronic arts (IDEA), facilities management, heritage conservation, urban design and urban and regional planning.

The professional Master of Architecture qualification is open to graduates from the Bachelor of Design in Architecture as well as similar programs from around Australia and beyond. Other programs are open to students from a range of different educational backgrounds, making for a diverse learning experience where students can draw from different experiences and knowledge.

You may wish to combine two programs, such as Urban Design and Urban and Regional Planning or Architecture, or combine two Design Science streams into an extended two-year full-time program. In addition, you may elect to complete combined degrees with the faculty of Economics and Business (Master of Facilities Management/Master of Commerce and Master of Urban and Regional Planning/Master of Transport Management).

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

Your studies are supported by dedicated resources including studios, computer labs, research centres and the Architectural and Technical Services Centre, the Sci Tech Library and other facilities.

On behalf of the faculty, I hope you enjoy your studies with us and that they prove to be both intellectually challenging and rewarding to you personally and professionally. My colleagues in the faculty include world-renowned researchers and educators, ready to assist and mentor you in your learning.

I look forward to working with you as you become part of our academic family.

Professor Warren Julian
Dean
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 agents of ethical and effective change 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, the name for Sydney’s aspiration to achieve the following:

- clear leadership as Australia’s premier university
- acknowledgement and ranking as one of the top five universities in the region; and
- recognition and ranking in the top forty universities around the world.

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. A Chair of Architectural Science was created in 1954, 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 overseeing the disciplines created from the old departments. In 2004, the school itself was set aside for a flat structure of one faculty, with four loose disciplines defining areas of research and teaching activity. The faculty changed its name to the Faculty of Architecture, Design and Planning in 2006 to reflect the evolving diversity of its academic activities.

Since 1984, the faculty has been housed under one roof in the purpose-designed Wilkinson Building and includes the Tin Sheds Gallery and the largest and most advanced centre for design computing in Australia. It is located adjacent to the brand new Sci Tech Library which contains an outstanding architecture and planning collection. The faculty also has three research centres: the AHURI Housing and Urban Research Centre, the Ian Buchan Fell Housing Research Centre and the Planning Research Centre.
1. Staff

Academic staff

Dean and Associate Deans

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

Associate Dean (Graduate Studies)
Mr Trevor Howells, DipConsStud York BArch

Associate Dean (Learning and Teaching)
Dr Robert Saunders, BSc (Hons) Edin PhD Sydney

Associate Dean (Research)
Professor Alan Peters, BA(Hons)Philosophy Natal MScURP Natal PhD Rutgers

Associate Dean (Undergraduate Studies)
Dr Chris L Smith, BSc(Arch) BArch(Hons I) PhD UoN

Undergraduate program coordinators

Bachelor of Design in Architecture
Dr Chris L Smith

Bachelor of Design Computing
Associate Professor Andy Dong

Graduate program coordinators

Architecture
Dr Lee Stickells

Audio and Acoustics
Dr Densil Cabrera

Building
Dr David Leifer

Building Services
Dr David Leifer

Facilities Management
Dr David Leifer

Heritage Conservation
Mr Trevor Howells

Illumination Design
Professor Warren G Julian

Interaction Design and Electronic Arts
Dr Andrew Vande Moere

Sustainable Design
Professor Richard Hyde

Urban Design
Mr Barrie Shelton

Urban and Regional Planning
Mr Martin J Payne

Art workshops
Coordinator
Ms Jan Fieldsend

Discipline heads

Architecture and Allied Arts
Associate Professor Glen Hill

Architectural and Design Science
Professor Richard Hyde

Design Lab
Associate Professor Andy Dong

Urban and Regional Planning and Policy
Professor Alan Peters

Academic positions

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

Professor of Architectural Science
Richard Hyde, BSc(Hons) Aston PhD CNAA DipArch BirmPoly, AIA

Professor of Architecture
Sandra Kaji O’Grady BArch(Hons) UWA MArch UWA Grad Dip Murdoch PhD Philosophy Monash

Professor of Architecture
Michael Tawa, BScArch UNSW BArch(Hons) UNSW PhD UNSW

Professor of Design Computing
Mary Lou Maher, BS Col/MS PhD Carnegie-Mellon

Professor of Urban and Regional Planning
Alan Peters, BA(Hons) Philosophy Natal MScURP Natal/PhD Rutgers

Professors Emeriti
Gary T Moore, BArch(Hons) Calif MA PhD Clark, ARAPI RAIA FAPA
Geoffrey P Webber, MSc(Arch) Col BArch MTCP Sydney, FRAIA RAPI ARIBA

Adjunct Professors
Elizabeth Farrelly, BA(Hons) Auck PhD Sydney
Lawrence Nield, BArch Sydney MLitt Camb
Paul Pholeros, BSc(Arch) BArch(Hons) Sydney
Mary-Lynne Taylor, BA LLB Sydney

Visiting Professors
Julia Bargholz, BArch Braunschweig
Elizabeth Grosz, BA(Hons) PhD Sydney
Tom Heneghan, AADipl
Peter Phibbs, BA MSc PhD UNSW

Associate Professors
Richard de Dear, BA PhD UQ
Andy Dong, MS PhD Calif
Nicole Gurran, BA MURP PhD Sydney
Glen Hill, MPM UTS PhD NWest
William Martens, PhD NWest
Anna Rubbo, BArch Melbourne DArch Mich, RAIA

Honorary Associate Professors
Adrian Carter, BArch Dip(Arch) Portsmouth
Fergus Fricke, BE Melbourne PhD Monash DipME Swinburne, MAAS MASA MNZAS

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Administrative staff

**Faculty Administration Office**
- **Faculty Manager**
  - Helen Triantafyllou, GradDipBusAdmin
- **Assistant to the Dean**
  - Sharon Dubos, BArt(VisCom) SCA MTeach Sydney

**Finance Manager**
- Lisette Tennant, BCom Macquarie, CPA

**Finance Officer**
- Megan Haig

**Academic Support Centre**
- **Administration Officer**
  - Suzanne Roberts
- **Research & Research Training Support Officer**
  - Jennifer Ryan, BA(Hons) Macquarie

**Administrative Assistants**
- Sue McLeod
- Kim Beecroft

**Architectural and Technical Services Centre**
- **Manager**
  - Phil Granger
- **Technical Officers**
  - Linda Fienberg, BA Sydney
  - Rick Moss
  - Marjo Niemela
  - Ken Stewart, MDesSc Sydney
  - Matt Storey, MDesSc Sydney

**Audio Visual Centre**
- **Manager**
  - Mark Neill, BA GradDiplInfMgmt UNSW

**Marketing and Development Centre**
- **Manager**
  - John Elliott, BAppSci(Information) UTS MBus(Marketing) Sydney
- **Marketing Coordinator**
  - Jonathan Hulme, BA(Hons) JCU
- **Professional Education Coordinator**
  - Sue Lalor, BA(VisArts) DipEd UoN
- **Alumni Coordinator**
  - Julia Wilson, BA(Comm) UTS
1. Staff

Student Administration Centre

Acting Manager
Niki Flame, BBus(Fin&Eco) UTS

Student Adviser
Benjamin Chamie, BA WSyd GradCertTESOL UTS

Acting Admissions Coordinator
Viena Phanekham, BA UWS

Administrative Assistant
Wendy Travers

Tin Sheds Gallery

Director
Jan Fieldsend, DipEd Auck MA UNSW

Gallery Manager
Anita Lever, MArtAdmin UNSW

Attendants
Bruce Hyde

Research centres

Ian Buchan Fell Housing Research Centre

Director
Colin L James AM, MArch Harv DipTCP Sydney, ASTC(Arch) ARAIA PIA

Honorary Research Assistant
Susan Clarke

Planning Research Centre

Director
Professor Alan Peters, BA(Hons) Philosophy Natal MScURP Natal PhD Rutgers

Deputy Director
Martin J Payne, MS Col State

Associate Director (Research and Development)
Jon Hall, BA Massey MTCP Sydney
1. Staff
2. Degrees, diplomas and certificates on offer

Undergraduate degrees
Bachelor of Design in Architecture
BDesArch
Bachelor of Design Computing
BDesComp

Undergraduate combined degrees
Bachelor of Engineering/Bachelor of Design in Architecture
BE(Civil)/BDesArch

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
MArch
Master of Design Science (Audio and Acoustics)
MDesSc(AudioAcoustics)
Master of Design Science (Building)
MDesSc(Build)
(admission suspended 2009)
Master of Design Science (Building Services)
MDesSc(BuildServ)
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 Interaction Design and Electronic Arts
MIDEA
Master of Urban Design
MUrbDes
Master of Urban Design (Architectural and Urban Design)
MUrbDes(Arch and UrbDes)
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)

All coursework master's degrees are available as honours degrees.

Graduate diplomas by coursework
Graduate Diploma in Design Science (Audio and Acoustics)
GradDipDesSc(AudioAcoustics)
Graduate Diploma in Design Science (Building)
GradDipDesSc(Build)
(admission suspended 2009)
Graduate Diploma in Design Science (Building Services)
GradDipDesSc(BuildServ)
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 Interaction Design and Electronic Arts
GradDipIDEA
Graduate Diploma in Urban Design
GradDipUrbDes
Graduate Diploma in Urban and Regional Planning
GradDipURP

Graduate certificates by coursework
Graduate Certificate in Design Science (Audio and Acoustics)
GradCertDesSc(AudioAcoustics)
Graduate Certificate in Design Science (Building)
GradCertDesSc(Build)
(admission suspended 2009)
Graduate Certificate in Design Science (Building Services)
GradCertDesSc(BuildServ)
Graduate Certificate in Design Science (Illumination Design)
GradCertDesSc(IllumDes)
2. Degrees, diplomas and certificates on offer

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

Graduate Certificate in Facilities Management  
GradCertFM

Graduate Certificate in Heritage Conservation  
GradCertHeritCons

Graduate Certificate in Interaction Design and Electronic Arts  
GradCertIDEA

Graduate Certificate in Urban Design  
GradCertUrbDes

Graduate Certificate in Urban and Regional Planning  
GradCertURP

Graduate combined degrees

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.
Policies

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. The Bachelor of Design in Architecture requires attendance at all sessions from week 1. Students who are unable to attend should advise their lecturer the week before or by email.

Discrimination and harassment
The University is opposed to all forms of discrimination, including those based on sex, race, marital status, age, sexual preference, political or religious beliefs and physical impairment. State and Federal legislation supports this view. Discrimination can occur in various ways, including verbal and physical harassment.

Students should familiarise themselves with University policies on acceptable behaviour on campus.

The University has appointed advisers to hear complaints from staff and students who suspect or believe that they are being discriminated against or harassed. The advisers are available to discuss problems in confidence and to provide advice and assistance if the complainant wishes.

Details about policy and assistance are available from the Staff and Student Equal Opportunity Unit website at www.usyd.edu.au/seo, or phone +61 2 9351 2212.

Disabilities liaison
Students should be aware of the disability and counselling services provided by the Student Services Unit, located in the Jane Foss Russell Building. See ‘Student Services’ in the General University Information.

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. See www.usyd.edu.au/audit_risk/insurance.

Late submission policy
It is expected that unless other arrangements have been made (eg 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 awarded for the assessment task.

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 awarded for the assessment task.

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 awarded for the assessment task.

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 that 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 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, Design and Planning 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 50 per cent.

Satisfactory progress and students at risk
The University expects students to make satisfactory progress toward the completion of their award course, and provides support for those who are at risk of failure. Each semester the faculty will identify and contact students who have:

- failed to complete half the credit points enrolled;
- obtained a WAM of less than 50 for units in the given semester;
- failed a unit for the second time;
- have an unsatisfactory attendance record; or
- are unable to complete the degree in minimum time.

Such students are strongly encouraged to attend study skills workshops. Students identified on three occasions may be asked to show cause why they should be allowed to re-enrol in the degree.
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, Design and Planning 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 www.usyd.edu.au/policy.

Special consideration policy and forms are available from the Student Administration Centre or the Current Students pages of the Faculty of Architecture, Design and Planning 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, near the elevators.

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 access. Once enabled, your student card becomes a swipe card.

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

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 faculty 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.

Enrolment matters
The Student Administration Centre will assist you with all enrolment matters that cannot be done via MyUnii. Use MyUnii 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 MyUnii. 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 Master 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 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.

Note that to ‘defer’ technically means to defer your study before you’ve even started. Students applying through the UAC who have been made an offer and wish to defer should follow the instructions in the information the UAC provides.

Student membership of faculty and other University organisations
There is provision for the election of students, by and from the student body, to membership of the Senate, the Academic Board and the faculties and boards of studies. Student members are also to be found on other committees of the University, including faculty and departmental committees and boards.

The term of office is generally one year, from January to December, except the Senate which is from 1 December one year to 30 November the next. Elections are held by postal vote in October and notices calling for nominations are sent out in August/September. Details of the elections are placed on the notice boards on level 1 of the Wilkinson building in August each year. Election announcements are also made available to Honi Soit and the Union Recorder for publication and are available from the Student Centre and faculty/college offices.

Before any election the appropriate ballot papers and instructions, as well as information about the candidates, are sent to all students concerned.

The Senate is the governing body of the University; the Academic Board coordinates the work of the faculties and boards of studies and advises the Senate on academic matters; the faculties and boards of studies are concerned with the teaching and examining of their subjects and with research in the various departments and schools.
The important contribution that students can make to the governance of the University is recognised through student membership of its governing bodies. As a student you are urged to take an active part in the selection of student members by nominating candidates and by voting in each election that concerns you. By participating in these elections you can become more familiar with the functioning of the University and can help ensure that your interests are taken into consideration in decisions that affect your work at the University.

Sydney University Architecture Society (SUAS)
The Sydney University Architecture Society is run by the students to promote student interaction both within and outside the faculty through a variety of activities, which includes participation in faculty and departmental committees, inter-faculty sporting competitions, guest lectures, a faculty newspaper, the Architecture Ball and the Architecture Revue.

Every undergraduate student in the faculty is automatically a member of the society. Messages for SUAS may be left in the faculty's Academic Support Centre.

Timetables
Personal timetables for both undergraduate and postgraduate coursework students are available via MyUni from Orientation week, the week before classes start. Semester 2 timetables are usually available before or during the mid year break.

Units taught in intensive mode are not shown on the MyUni timetables. If you are enrolled in intensive units, consult the Student Administration Centre notice boards or faculty website.

The faculty publishes a general and intensive timetable on notice boards at the Student Administration Centre and on its website. It should be noted that the timetable changes frequently before semester starts. Keep an eye on your email at the start of semester and before the first meeting for late breaking news about classes.

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.

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 skies, 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, Design and Planning 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 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. Details of art workshop units can be found in the tables of units of study in this handbook. Permission for units, where required, can be sought from the Tin Sheds Gallery.
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.

Audio Visual Centre
Located on level 4 of the Wilkinson Building behind the Denis Winston Library. It is best accessed 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, including scanning and viewing equipment, as well as digital cameras, which may be borrowed.
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 swipe access 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 machines, the Digital Media lab contains 20 machines and the Mac lab, 20 Macintosh computers. On level 3 there is a lab of 40 computers reserved for the use of students of the Bachelor of Design Computing. On level 5 there is a lab of 40 computers 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.
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. This includes enrolment, variation of enrolment, suspension of candidature, appeals against academic decisions, swipe access, 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

During non-teaching periods the counter will close at 4pm on Tuesdays and Thursdays.

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

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

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 website and conducting promotional activities.

Phone: +61 2 9351 2686
Email: Undergraduates: ug@arch.usyd.edu.au
Postgraduates: pg@arch.usyd.edu.au

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
About this chapter

The following table lists the scholarships and then the prizes available to undergraduate students in the Faculty of Architecture, Design and Planning. 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/May 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, Design and Planning, or adding to an existing one, please contact 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, Design and Planning, 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, Design and Planning 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 following tables. These organisations are often the best places to contact for enquiries regarding the terms, conditions and application dates.

Faculty of Architecture, Design and Planning

The Faculty of Architecture, Design and Planning handles applications for all faculty-funded awards and some privately-funded ones. Keep an eye on our website for up-to-date information about available scholarships, application closing dates and application forms. See 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 and Bachelor of Design Computing, as well as honours scholarships. See www.usyd.edu.au/scholarships or telephone 8627 8450.

Disclaimer

The terms, conditions, values and availability of all prizes and scholarships listed are subject to change without notice.
# 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><strong>Undergraduate Scholarships – Entry awards</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Sydney Outstanding Achievement Scholarship</td>
<td>Awarded to any student enrolling at the University of Sydney who scores an ATAR of 99.95 in the NSW HSC or equivalent in the preceding year. No application required.</td>
<td>$10,000</td>
<td>4</td>
<td>unlimited</td>
</tr>
<tr>
<td>University of Sydney Scholarship with Merit</td>
<td>Awarded on the basis of academic merit and other achievements. Application to the Scholarships Unit by 30 September in the year prior to enrolment.</td>
<td>$6,000</td>
<td>4</td>
<td>approx 1</td>
</tr>
<tr>
<td>University of Sydney Scholarship Entry Award</td>
<td>Awarded on the basis of academic merit and other achievements. Application to the Scholarships Unit by 30 September in the year prior to enrolment.</td>
<td>$6,000</td>
<td>1</td>
<td>approx 3</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 UAC in the year prior to first enrolment.</td>
<td>$6,000</td>
<td>4</td>
<td>approx 160 uni wide</td>
</tr>
<tr>
<td>University of Sydney National Scholarships</td>
<td>Awarded to winners of the Merit, Entry, Outstanding Achievement or Access scholarships who are relocating from another Australian state or territory, excluding NSW and ACT.</td>
<td>$5,000</td>
<td>same as parent school</td>
<td>unlimited</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 ATAR of 98.10 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 awarded annually to the best students entering the Bachelor of Design in Architecture (minimum ATAR 98.10) or the Bachelor of Design Computing (minimum ATAR 95.40). No application required.</td>
<td>$1,000</td>
<td>1</td>
<td>15</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 ATAR determined annually, currently 97.20 or equivalent) or the Bachelor of Design Computing (minimum ATAR determined annually, currently 95.40 or equivalent). No application required.</td>
<td>$1,000</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td><strong>Undergraduate Scholarships - Bachelor of Design in Architecture</strong></td>
<td></td>
<td></td>
<td></td>
<td></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 Master of Architecture. All nominees must be Australian citizens. Applications close 31 August each year to the NSW Architects Registration Board. This scholarship is currently under review. Please check the NSW Architects Registration Board website <a href="http://www.boarch.nsw.gov.au">www.boarch.nsw.gov.au</a></td>
<td>$4,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Undergraduate Scholarships - Honours</strong></td>
<td></td>
<td></td>
<td></td>
<td></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, Design and Planning by mid December each year.</td>
<td>$1,900</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>$6,000</td>
<td>1</td>
<td>approx 1</td>
</tr>
<tr>
<td>Diana Inglis Carment Scholarship</td>
<td>Awarded to the student with the highest Weighted Average Mark (WAM) from the first three years of the BDesArch degree who enrolls in the BDesArch Honours year. Considered in conjunction with the JW and BK Elkins Architectural Scholarship.</td>
<td>$5,000</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
## Undergraduate 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><strong>All courses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dean's List of Excellence in Academic Performance</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>Henry J Cowan Prize in Environment, Behaviour and Society</td>
<td>Awarded annually to best student in undergraduate mandatory and elective subjects related to Environment, Behaviour and Society.</td>
<td>Book prize</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Noel Chettle Memorial Art Prize</td>
<td>Up to five prizes awarded annually to students taking art classes in the Faculty of Architecture, Design and Planning.</td>
<td>Varies</td>
<td>1</td>
<td>Varies</td>
</tr>
<tr>
<td><strong>Bachelor of Design in Architecture Prizes</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Science Prize (Undergraduate Architecture)</td>
<td>One cash prize each for years 2 and 3 of the Bachelor of Design in Architecture to outstanding students in terms of their record in architectural science subjects.</td>
<td>$100</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Arthur Baldwinson Memorial Prize in Architectural History and Theory</td>
<td>Awarded annually to the best student in the unit Twentieth Century Australian Architecture.</td>
<td>$640</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Elizabeth Munro Prize in Architecture</td>
<td>Awarded annually to the student graduating with the highest weighted average mark from the Bachelor of Design in Architecture, provided that the student's work is of sufficient merit.</td>
<td>$1,300</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Henry J Cowan Prize in Architectural Science (Undergraduate Architecture)</td>
<td>One book prize each for years 2 and 3 of the Bachelor of Design in Architecture to outstanding students in terms of their record in architectural science subjects.</td>
<td>Book Prizes</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Burnham Prize in Urban Planning and Architecture</td>
<td>Awarded annually to the best student graduating Bachelor of Design in Architecture (Urban Design in Architecture) with the best record in units contributing to the stream.</td>
<td>$600</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>John Stephen Mansfield Prize in Urban and Regional Planning</td>
<td>Awarded to the best graduating student in the Bachelor of Design in Architecture (Urban Design and 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>Awarded annually to the student qualifying to graduate in the Bachelor of Design in Architecture who has the best record within the subject area Architectural History and Theory.</td>
<td>$460</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Bachelor of Design Computing Prizes</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design Computing Prize</td>
<td>Awarded annually to the best student in years one, two and three of the Bachelor of Design Computing.</td>
<td>$100</td>
<td>1</td>
<td>3</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 in the following degrees:

Bachelor of Design in Architecture
Bachelor of Design Computing

It is best read prior to 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, Design and Planning 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.
• Youth Allowance and other forms of benefits often require full-time study. Check with Centrelink.

How many credit points must I take each semester?
If you are a local student you must take at least 18 credit points per semester to be full-time. If you are an international student you must take at least 24 credit points unless there is a compelling reason why you shouldn't. 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, Design and Planning will make available draft timetable information on its website, (www.arch.usyd.edu.au) on noticeboards outside the Faculty of Architecture, Design and Planning 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 (ie 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, Design and Planning handbook is the place where all the rules for the completion of your degree are kept. Look for the chapter called 'Undergraduate degree regulations'. The handbook also contains important tables of units of study and unit of study descriptions relevant to your degree.

The handbook is available online at www.usyd.edu.au/handbooks; for sale at the Student Centre, Jane Foss Russell 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, Design and Planning 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 for advice on any matter relating to your enrolment, you should contact the Faculty of Architecture, Design and Planning 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 4pm on Tuesdays and Thursdays.

To view the latest update, download, purchase or search a handbook
visit Handbooks online: www.usyd.edu.au/handbooks
5. Enrolment guide for new undergraduates

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>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BDES1010</td>
<td>Architecture Studio 101</td>
<td>6</td>
</tr>
<tr>
<td>BDES1011</td>
<td>Architectural History/Theory 1</td>
<td>6</td>
</tr>
<tr>
<td>BDES1012</td>
<td>Architectural Communications 1</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BDES1020</td>
<td>Architecture Studio 102</td>
<td>6</td>
</tr>
<tr>
<td>BDES1023</td>
<td>Architectural Technologies 1</td>
<td>6</td>
</tr>
<tr>
<td>BDES1024</td>
<td>Art Workshop 1</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total for the year</td>
<td></td>
<td>48</td>
</tr>
</tbody>
</table>

What electives should I choose at enrolment?
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, Design and Planning, or from the faculties of Arts, Economics, Engineering and Information Technologies or Science (timetable permitting).

The units of study offered as first year electives by the Faculty of Architecture, Design and Planning are:

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allied Arts in Architecture stream</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AWS1001</td>
<td>Architectural Sketching &amp; Drawing</td>
<td>6</td>
</tr>
<tr>
<td>Digital Architecture stream</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DECO1012</td>
<td>Design Programming</td>
<td>6</td>
</tr>
<tr>
<td>DECO1006</td>
<td>Understanding Design and Cognition</td>
<td>6</td>
</tr>
<tr>
<td>DECO1100</td>
<td>Digital Design Studio</td>
<td>12</td>
</tr>
<tr>
<td>Urban Design and Planning stream</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DESP1001</td>
<td>Introductory Urban Design and Planning</td>
<td>6</td>
</tr>
<tr>
<td>Other electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DESA1004</td>
<td>Designing with Surfaces &amp; Light</td>
<td>6</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 unit Mathematics, Advanced Mathematics and Advanced English or have the equivalent knowledge. Students may attend one of the bridging courses in mathematics offered by the Mathematics Learning Centre (see the General University information chapter of this handbook) if they feel they need to.

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.

Transitional arrangements
The Bachelor of Design Architecture curriculum and degree requirements have changed, effective from 2010. Students who commenced their studies prior to 2010 may continue under the resolutions in force at the time of their first enrolment or they may continue their enrolment under the new resolutions. A detailed enrolment guide has been outlined on the faculty website to assist you. This can be accessed from the following link: http://www.arch.usyd.edu.au/CS/undergrad/bdesarch_transition.shtml

Bachelor of Design Computing enrolment guide

What units do I have to choose at enrolment?
In the first year all students complete 36 credit points of core units of study and 12 credit points of electives. The electives are taken in Semester 2. The core units are as follows:

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td></td>
</tr>
<tr>
<td>Semester 1</td>
<td></td>
</tr>
<tr>
<td>DECO1012</td>
<td>Design Programming</td>
</tr>
<tr>
<td>DECO1006</td>
<td>Understanding Design and Cognition</td>
</tr>
<tr>
<td>DECO1100</td>
<td>Digital Design Studio</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td>DECO1008</td>
<td>3D Modelling</td>
</tr>
<tr>
<td>DESC1013</td>
<td>Sound Design and Sonification</td>
</tr>
<tr>
<td>Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

What electives should I choose at enrolment?
As well as your core units, in the course of your degree you have to complete at least 18 credit points of technical electives and at least 18 credit points of Arts, Economics or Science electives. The expectation is that in each group, you will take 12 credit points at the 1000 level, followed by another 6 credit points at the 2000 level in the same subject area. There is no correct way to proceed - there are too many options to list them all. However, we do suggest you use your first year electives to make a start on at least one of these groups.

The technical electives must be taken from the Faculty of Engineering and Information Technologies, from units prefixed COMP, ELEC, INFO, ISYS, MTRX and/or SOFT.

The Arts, Economics, or Science electives can be taken from any group of units in those faculties open to general admission. These
are units listed for the Bachelor of Arts, Bachelor of Economics or Bachelor of Science.

You are advised to consult the handbook of the relevant faculty.
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.

By selecting the appropriate stream, students in this program can graduate after three years with a:

- Bachelor of Design in Architecture or
- 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).

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, Design and Planning 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 Master 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's 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.

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 contains 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

Rigorous, critical design

The program is underpinned by a strong philosophical approach. This approach is based on architectural theory, research and practice; research enhanced learning, educational theory, 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 contextual activity

Designing is a contextual activity, that is it can only occur in the specific space 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.

Critical practice

Criticality is a central component in the learning and practising of design. Critical reflection on and reinterpretation of the many areas involved in designing form the basis for learning and practice. These areas include the historic and theoretical contexts for design; the role of representations in the production of physical forms, the knowledge required and used, the processes of designing, and interactions of people involved in that process. Useful critical practice may take both structured and unstructured forms, and range from immediate to reflective review.

Research enhanced design

Many types of knowledge are relevant to solving a design problem. These have traditionally been taught as separate units of study in 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 four key areas of study that aid the studio-based design practice. These areas are: Architectural History and Theory; Architectural Communication; Architectural Technologies; Art Workshop. 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.
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.

Deployments 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 to 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
- 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.

This stream is also relevant to those contemplating taking graduate programs 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.

Digital Architecture
The Bachelor of Design in Architecture (Digital Architecture) stream encourages a more in-depth exploration of the role of digital technologies in architectural representation and production. Students are introduced to some of the key industry programs such as AutoCAD and ArchiCAD for the production of 2D and 3D drawings and models; digital image design and representation; interactive media design and advanced 3D modelling.

The electives associated with the stream aim to provide students with a broad understanding of programs and their applications for design and representation; and students are encouraged to apply their skills...
to the design studio courses. On completion of the Digital Architecture Stream students will have: an understanding of the role of the digital technologies in architectural design; an ability to engage with the digital technology as a tool for architectural communication; and have technical skills in a variety of digital media.

**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 102 credit points from the core units of study as described in Table A
- must complete successfully at least 12 credit points from the faculty electives as described in Table A
- may complete the requirements for an additional stream as described in Table A
- may complete no more than 24 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 the faculty’s tables of graduate units, provided they have completed at least 96 credit points with a WAM of at least 70.

**Progression in the Bachelor of Design in 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.

**Studio**

Studio 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 Studio 101 before you will be allowed to proceed to Studio 102 and Studio 201 before you proceed to Studio 202 and so on. A fail in any Studio unit will prevent progression to the next unit, causing a 12-month delay in your studies.

### Architectural History and Theory; Communications; Technologies and Art Workshop

Whilst Architectural History and Theory; Communications; Technologies and Art Workshop units are core to the degree, they are taught in relatively self-contained ways that complement the work in Studio. If you fail any of these units in first year you will be allowed to progress to second year, BUT you will still be required to re-enrol in the failed units and pass them in their own right. For example: A pass in Architectural History and Theory 2 will NOT result in a retrospective pass in a failed Architectural History and Theory 1 unit.

**Progression to Year 3**

You will not be permitted to enrol in Studio 301 unless you have passed ALL first and second year core units. You will not be allowed to proceed to Studio 302 until you pass Studio 301.

### Master of Architecture prerequisite unit of study

Candidates who wish to proceed to the Master of Architecture must include the prerequisite unit of study described in Table A. Other conditions apply to entry to the Master of Architecture, including completing the Bachelor of Design in Architecture with a WAM of at least 65, and undertaking work experience. 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 Master of Architecture should complete the prerequisite unit of study in their final year. Students are advised to carefully consider which stream or streams interest them and plan their elective units accordingly.
Bachelor of Design in Architecture enrolment planner

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Streams
If you wish to take a particular stream, choose your electives carefully, using the tables on the following pages. But as a guide, some recommendations are outlined below.

Bachelor of Design in Architecture (Allied Arts In Architecture)

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<th>Credit points</th>
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### Bachelor of Design in Architecture (Urban Design and Planning)

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### Table A: Bachelor of Design in Architecture

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<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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<td>C: BDES3020</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td><strong>Faculty electives</strong></td>
<td></td>
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</tr>
<tr>
<td>All candidates are required to complete a minimum of 12 Senior credit points.</td>
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<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><strong>Architectural Technologies</strong></td>
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<tr>
<td>Senior units of study</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>DAAE2008 Innovative Building Structures</td>
<td>6</td>
<td>P DESA2111 or BDES2013</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DAAE3001 Sustainable Architectural Practice</td>
<td>6</td>
<td>P DESA2111</td>
<td></td>
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<td>Semester 1</td>
</tr>
<tr>
<td><strong>Architectural Design</strong></td>
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</tr>
<tr>
<td>Candidates enrolled in Architecture Studio 301 or Studio 302 with a distinction average may request permission to enrol in MARC6202 Architecture Workshop A.</td>
<td></td>
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</tr>
<tr>
<td>MARC6202 Architecture Workshop A</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>S2 Intensive</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students may incur materials costs in this unit.</td>
<td></td>
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<tr>
<td><strong>Architectural History and Theory</strong></td>
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<tr>
<td>Senior units of study</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>DAAE2001 20th Century Australian Architecture</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td><strong>Environment, Behaviour &amp; Society</strong></td>
<td></td>
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</tr>
<tr>
<td>Senior units of study</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>DAAE2002 Architecture, Place and Society</td>
<td>6</td>
<td></td>
<td></td>
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<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DAAE2004 Housing for Health</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
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<td>Semester 1</td>
</tr>
<tr>
<td>This unit of study is not available in 2010</td>
<td></td>
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</tr>
<tr>
<td><strong>Management in Architecture</strong></td>
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</tr>
<tr>
<td>Senior units of study</td>
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</tr>
<tr>
<td>DAAE2007 Introduction to Project Management</td>
<td>6</td>
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<td>Semester 2</td>
</tr>
<tr>
<td><strong>Streams</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>It is not a requirement to complete a stream. Candidates may complete a maximum of two streams within the 144cp degree total, and these will be recorded on the testamur.</td>
<td></td>
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<tr>
<td><strong>Allied Arts in Architecture Stream</strong></td>
<td></td>
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</tr>
<tr>
<td>The minimum requirement is 18 credit points, including 12 credit points from the mandatory units of study and a minimum of 6 additional credit points, chosen from the following units of study. Candidates not enrolled in the Allied Arts in Architecture stream are restricted to a maximum of 18 credit points from AWSS units and are not required to complete the mandatory units.</td>
<td></td>
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<tr>
<td><strong>Mandatory units</strong></td>
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<tr>
<td>Senior units of study</td>
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<tr>
<td>AWSS2001 Public Art</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting.</td>
<td></td>
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<tr>
<td>AWSS2002 Site Specific Art</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting.</td>
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<tr>
<td><strong>Additional Allied Arts in Architecture units</strong></td>
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</tr>
<tr>
<td>Junior units of study</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AWSS1001 Architectural Sketching and Drawing</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
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</tr>
<tr>
<td>Senior units of study</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>AWSS2010 Ceramics (Handbuilding)</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting.</td>
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</tr>
<tr>
<td>AWSS2011 Ceramics (Wheel Throwing)</td>
<td>6</td>
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<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
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</tbody>
</table>
### 6. Bachelor of Design in 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>
</tr>
</thead>
<tbody>
<tr>
<td>AWS2013 Digital Video</td>
<td>6</td>
<td></td>
<td></td>
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<td>Semester 1</td>
</tr>
<tr>
<td>AWS2014 Printmaking</td>
<td>6</td>
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<tr>
<td>AWS2015 General Drawing</td>
<td>6</td>
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<td>Semester 1</td>
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<tr>
<td>AWS2016 Graphic Design (Introduction)</td>
<td>6</td>
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<tr>
<td>AWS2018 Life Drawing</td>
<td>6</td>
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<td>Semester 2</td>
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<tr>
<td>AWS2019 Mixed Media</td>
<td>6</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>AWS2020 Object Design</td>
<td>6</td>
<td>A completed ATSC workshop proficiency class</td>
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<td>Semester 1</td>
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<tr>
<td>AWS2022 Painting</td>
<td>6</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>AWS2023 Photography 1</td>
<td>6</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>AWS2024 Photography 2</td>
<td>6</td>
<td>P AWS2023 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></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>AWS2026 Screen Printing on Paper</td>
<td>6</td>
<td></td>
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<td></td>
<td></td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>AWS2027 Sculpture</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>AWS2028 Web Art and Design</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
</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

| DECO201 Digital Image Design & Representation    | 6             | N DECO1001, DECO1100 |                  |                |                | Semester 1       |
| DECO202 Interactive Multimedia Design            | 6             | N DECO1002, DECO2002, DECO1200 | Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing. | Semester 2 |
| DECO203 3D Modelling                              | 6             | N DECO1100           | Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing. | Semester 2 |
| DECO204 Principles of AutoCAD                     | 6             |                      | Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing. | Semester 2 |
| DECO205 Principles of ArchiCAD                    | 6             |                      | Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. | Semester 1 |
### 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>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESP1601 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>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>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>
<td></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, or Table N Master of Architecture, in this handbook.

#### Junior units of study

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO1012 Design Programming</td>
<td>6</td>
<td>N DECO2011, SOFT1001</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DECO2012 Sound Design and Sonification</td>
<td>6</td>
<td>N DECO1013</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DESA1004 Designing with Surfaces and Light</td>
<td>6</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.</td>
<td></td>
<td></td>
<td>Summer Early Winter Main</td>
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</tr>
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</table>

#### Senior units of study

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAAE2005 Designing with Colour 1</td>
<td>6</td>
<td>A DESA1004</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DAAE2006 Designing with Colour 2</td>
<td>6</td>
<td>P DAAE2005</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>DECO2010 Collaborative Virtual Environments</td>
<td>6</td>
<td>P DECO1100 or DECO (2101 and 2102) or INFO (1000 or 1003)</td>
<td>N DECO2005</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.</td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DECO2006 Real Time Multimedia</td>
<td>6</td>
<td>P DECO1008 or 2101 and (SOFT1001 or DECO(1012 or 2011))</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DECO3003 Design Computing Research Opportunity</td>
<td>6</td>
<td>A Computer programming.</td>
<td>96 credit points and minimum WAM of 65. Note: Department permission required for enrolment Students from other faculties may apply directly to the Faculty of Architecture, Design and Planning.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DECO3005 Advanced Interaction Design</td>
<td>6</td>
<td>P DECO1200 or 2200 or 2102</td>
<td>N DESC9142</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.</td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DECO3006 Principles of Animation</td>
<td>6</td>
<td>P DECO (1003 or 1008 or 2103)</td>
<td>N DESC9019, DESC9141</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.</td>
<td></td>
<td>Semester 1</td>
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</tbody>
</table>

### General electives

#### Senior units of study

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECO3551 Design Computing General Elective A</td>
<td>6</td>
<td>P 48 credit points.</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>S1 Intensive</td>
</tr>
<tr>
<td>DECO3552 Design Computing General Elective B</td>
<td>6</td>
<td>P 48 credit points.</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>
<td></td>
<td></td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>DECO3553 Design Computing General Elective C</td>
<td>6</td>
<td>P 48 credit points.</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>
<td></td>
<td></td>
<td>S1 Intensive</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>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>ARCH4003</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></td>
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<td>Semester 1 Semester 2</td>
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<tr>
<td>ARCH4004</td>
<td>12</td>
<td>P</td>
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<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH4005</td>
<td>12</td>
<td>C ARCH4003</td>
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<td></td>
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<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH4006</td>
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<td>C ARCH4005</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
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</tbody>
</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>DECO3441</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></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DECO3442</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 Semester 2</td>
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<td>Semester 1 Semester 2</td>
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<td>Semester 1 Semester 2</td>
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<td>Semester 1 Semester 2</td>
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<tr>
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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>
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<td>Semester 1 Semester 2</td>
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</tbody>
</table>
7. Bachelor of Design Computing

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 website 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 other 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’.

Philosophy of the Bachelor of Design Computing

There 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 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

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
- Database Systems 1

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

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 in total

must complete successfully 84 credit points from the core units of study described in Table B

must complete successfully 18 credit points from Technical Electives from the Faculty of Engineering and Information Technologies, from units of study prefixed COMP, ELEC, INFO, ISYS, MTRX and/or SOFT. At least 6 credit points of this must be at 2000 level or higher

must complete successfully 18 credit points from the Faculties of Arts, Science or Economics and Business. At least 6 credit points of this must be at 2000 level or higher

must complete successfully at most 24 credit points from elective units of study from those listed in Table B, or with the permission of the unit coordinator concerned, units of study from the faculty’s tables 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 year, 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 this 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. The enrolment planner shows progression through the core units of study.

Curriculum change and transition
The Bachelor of Design Computing curriculum and degree requirements changed effective from 2008. Students who commenced their studies in 2007 or before will continue under the rules in force at the time of their first enrolment. The 2008 handbook is the last to show progression according to the older rules.
## 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>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<td><strong>Core units of study</strong></td>
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<td>Candidates are required to complete</td>
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<td>DECO1012 Design Programming</td>
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<td>DECO1006 Understanding Design and Cognition</td>
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<td>N DECO1004</td>
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<tr>
<td>DECO1100 Digital Design Studio</td>
<td>12</td>
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<td>Core unit for Bachelor of Design Computing, BST students by permission. Enrolment is limited by teaching resources.</td>
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<tr>
<td>DECO1008 3D Modelling</td>
<td>6</td>
<td>N DECO2103</td>
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<td>This unit is for BDesComp and BST students only. Others may enrol in DECO2103.</td>
<td>Semester 2</td>
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<tr>
<td>DECO1013 Sound Design and Sonification</td>
<td>6</td>
<td>N DECO2012</td>
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<td></td>
<td>Enrolment limited by teaching resources. Permission required unless enrolled in the Bachelor of Design Computing or the BST. Other students may apply directly to the Faculty of Architecture, Design and Planning for a place.</td>
<td>Semester 2</td>
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<tr>
<td><strong>Senior units of study</strong></td>
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<tr>
<td>DECO2010 Collaborative Virtual Environments</td>
<td>6</td>
<td>P DECO1100 or DECO (2101 and 2102) or INFO (1000 or 1003)</td>
<td>N DECO2005</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.</td>
<td>Semester 1</td>
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<tr>
<td>INFO2120 Database Systems 1</td>
<td>6</td>
<td>A Some exposure to programming and some familiarity with data model concepts such as taught in INFO1103 or INFO1003 or INF51000 or INFO1903</td>
<td>N INFO (2820 or 2005 or 2905)</td>
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<td>Semester 1</td>
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<td>DECO2200 Interaction Design Studio</td>
<td>12</td>
<td>P DECO1100 or DECO1200</td>
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<td>Core unit for the Bachelor of Design Computing, BST students by permission. Enrolment is limited by teaching resources.</td>
<td>Semester 2</td>
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<tr>
<td>DECO3100 Information Visualisation Design Studio</td>
<td>12</td>
<td>P DECO(1100 and 1200) or DECO(1100 and 2200) or DECO(2101 and 2102) or DECO(2012 and 2013) or DECO(1013 and 2013)</td>
<td>N DECO3001</td>
<td>Core unit for Bachelor of Design Computing, BST students by permission. Enrolment is limited by teaching resources.</td>
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<tr>
<td>DECO3200 Human-Computer Experience Design Studio</td>
<td>12</td>
<td>P DECO3100 or (DECO2101 and DECO2102 and (DECO(1012 or 2011 or SOFT1001)))</td>
<td>N DECO3002</td>
<td>Core unit for Bachelor of Design Computing, BST students by permission. Enrolment is limited by teaching resources.</td>
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<td>DECO3005 Advanced Interaction Design</td>
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<td>P DECO(1200 or 2200 or 2102)</td>
<td>N DESC9142</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.</td>
<td>Semester 1</td>
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<tr>
<td>DECO3006 Principles of Animation</td>
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<td>P DECO (1003 or 1006 or 2103)</td>
<td>N DESC0019, DESC9141</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.</td>
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<tr>
<td>DECO3008 Design Computing Prep Hons Research</td>
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<td>P 72 credit points and minimum WAM of 70</td>
<td>Note: Department permission required for enrolment</td>
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<td>Semester 1</td>
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<tr>
<td>DECO2606 Real Time Multimedia</td>
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<td>P DECO(1008 or 2103) and (SOFT1001 or DECO(1012 or 2011))</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.</td>
<td>Semester 2</td>
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### 7. Bachelor of Design Computing

<table>
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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>DECO3003 Design Computing Research Opportunity</td>
<td>6</td>
<td>A Computer programming, P 96 credit points and minimum WAM of 66.</td>
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<td>Semester 2</td>
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</table>

### Allied Arts in Architecture

#### Junior units of study

| AWS1001 Architectural Sketching and Drawing | 6 | Students may incur costs for materials in some Art Workshops units. | | | | Semester 1 |

#### Senior units of study

| AWS2001 Public Art | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. | | | | Semester 1 |
| AWS2002 Site Specific Art | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. | | | | Semester 2 |
| AWS2010 Ceramics (Handbuilding) | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. | | | | Semester 1 |
| AWS2011 Ceramics (Wheel Throwing) | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. | | | | Semester 1 |
| AWS2013 Digital Video | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. | | | | Semester 2 |
| AWS2014 Printmaking | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 2 |
| AWS2015 General Drawing | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 1 |
| AWS2016 Graphic Design (Introduction) | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 2 |
| AWS2018 Life Drawing | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 1 |
| AWS2019 Mixed Media | 6 | This unit of study is not available in 2010 | | | | Semester 2 |
| AWS2020 Object Design | 6 | A Completed an ATSC workshop proficiency class | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 1 |
| AWS2022 Painting | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 2 |
| AWS2023 Photography 1 | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 2 |
| AWS2024 Photography 2 | 6 | P AWS2023 or equivalent. Equivalence can be established by either presenting a portfolio of black and white work or by presenting a transcript indicating a minimum of a full semester unit in black and white photography. | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 1 |
| AWS2026 Screen Printing on Paper | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 2 |
| AWS2027 Sculpture | 6 | Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units. | | | | Semester 1 |
### Bachelor of Design Computing

- **AWS2028 Web Art and Design**
- **DECO4004 Designing with Surfaces and Light**
- **DECO4003 Designing with Colour 1**
- **DECO4002 Designing with Colour 2**
- **DECO4001 Design Computing Independent Study Electives**

#### General Electives

**Senior units of study**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Assumed Knowledge</th>
<th>Prohibitions</th>
<th>Session</th>
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<td>DECO3551</td>
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<td>P</td>
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<td>S1 Intensive</td>
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<tr>
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<td></td>
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</table>

#### Independent Study Electives

**Senior units of study**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Assumed Knowledge</th>
<th>Prohibitions</th>
<th>Session</th>
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</tr>
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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>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Assumed Knowledge</th>
<th>Prohibitions</th>
<th>Session</th>
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<tr>
<td>DECO4001</td>
<td>Design Computing Honours Research A</td>
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<td>Completion of the Pass degree.</td>
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<tr>
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<td>DECO4003</td>
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</tr>
</tbody>
</table>
7. Bachelor of Design Computing
8. 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).

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 a research task under the supervision of a member of academic staff. This is in addition to the three years of study for the pass degree.

What is an honours degree for?
The award of honours is 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 carries more weight or prestige than the pass degree. It is highly regarded by employers and other universities.

Universities regard honours degrees as 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, Design and Planning is awarded in two classes, each with sub-categories. These are, in order from highest to lowest:
- First class
- Second class, Division I
- Second class, Division II

Only the very best students are awarded the medal – perhaps one or two per year or none at all. Awarding 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:

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

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. In the Faculty of Architecture, Design and Planning, a weighting of zero is given to junior units and one for senior and 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, Design and Planning website. 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 Master or 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 discover the opportunities an honours degree opens up.

To view the latest update, download, purchase or search a handbook
visit Handbooks online: www.usyd.edu.au/handbooks
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 an 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, 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.

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 an 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 resolve their topic and supervisor during this unit. 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, 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.

Where this date is later than the due date for Honours results for postgraduate research scholarships (e.g., APA), an indicative mark
will be provided by the student’s supervisor in consultation with the Principal Examiner to be based, in part, upon presentation of a draft of the dissertation to the Supervisor and the Principal Examiner. If no draft is provided, no indicative mark shall be provided.

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. The examination copy and the permanently bound copy must include a CDROM or DVD which includes all software and digital documentation of the research work as appropriate. 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.

The dissertation should be 15000 to 25000 words in length. A practice-based honours dissertation has different submission requirements, described in the section on types of dissertation.

Types of dissertation

Students, in consultation with the supervisor or program coordinator, should complete one of the following types of dissertations.

**Design-based**
The aim of a design-based dissertation is to introduce a novel design work or component technology or technology-driven design process that is realised through the introduction, incorporation, enhancement or development of cutting-edge computing. The dissertation should report on the aims and objectives of the work, the rationale and process taken in its conception and development, and a detailed reflection or empirical evaluation of the design work. Sufficient digital documentation of the designed work should be provided with the dissertation.

**Model-based**
A model-based dissertation aims to create a computational model of a theory or phenomenon related to design or to model design computationally based on an analogy to another system. Phenomena that have been modeled computationally include creativity, motivation, and emergence. Models of design based on analogies to other systems include evolution, co-evolution, and systems biology. The computational model is implemented and validated or tested to ensure verisimilitude to the phenomenon being modeled.

**Empirical**
An empirical study aims to characterize or explain. In design studies, empirical research is often conducted on the cognitive behaviour of designers, the social dynamics of group-based design or participatory design, or a critical study of the design of specific objects. The student will utilize a variety of quantitative and qualitative research methods including survey, interview, experimentation, participatory action research, and parametric or non-parametric modeling. Where the research will include human participants, students will need to follow the University ethics policies and guidelines for research involving humans. Due to the time frame for obtaining approval for such research, students are strongly encouraged to apply early in their Honours research year to conduct their research within the framework of an existing study lead by the Supervisor.

**Practice-based**
A practice-based honours dissertation needs to include creative practice as an integral component in relation to the issues and questions raised in this research, its outcomes and its research approach and methods. Creative outcomes need to be new or original artwork and can include the following areas: video, composition, performance, digital photography, electronic installation, kinetic sculpture, robotic art and software/hardware prototype: (code art, devices, smart materials, wearable technology). The creative outcome cannot stand alone as research, but will be assessed together with a dissertation that includes research questions, objectives and a review of relevant artwork/artists in the chosen research area, as well as a written, critical reflection articulating the research process.

The practice-based dissertation includes different submission requirements:

1. **Written component:** Dissertation of 6,000 – 8,000 words which is inclusive of a 1,000 - 2,000 word critical reflection articulating the research process.
2. **Digital Documentation:** Practice-based component (exhibition, performance or site-specific installation) in the form of either (i) a video DVD (5 -10 mins) or audio recording (5 -10 mins) or (ii) 5 – 10 high resolution images (e.g., TIFF format) or 3 x 30 second CD quality samples.
3. **Public exhibition component:** The student is to organise a public exhibition (in the form of an exhibition, performance or site-specific installation) at least two weeks before the submission of the dissertation to the Supervisor.

**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 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.
8. Undergraduate honours degrees
About this chapter
This chapter explains the policies and procedures for overseas exchange for undergraduate students in the following degrees:

- Bachelor of Design Computing

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 Student Adviser in the Faculty of Architecture, Design and Planning 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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<tbody>
<tr>
<td>Bachelor of Design Computing exchange units</td>
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<tr>
<td>Year 2 core units of study</td>
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<td>Senior units of study</td>
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<tr>
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<td>DECO2660 Exchange Collaborative Virtual Enviroms</td>
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<tr>
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</tr>
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</tr>
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<td></td>
<td></td>
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</tr>
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</table>
### Year 3 core units of study

#### 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>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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#### Year 3 elective units of study

#### Senior units of study

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<th>C: Corequisites</th>
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<td></td>
<td></td>
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<td>DECO3664 Design Computing Exchange Elective 3C</td>
<td>6</td>
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<td></td>
<td></td>
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<td>Semester 1 and 2</td>
</tr>
</tbody>
</table>

Note: Department permission required for enrolment.
10. 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, Design and Planning, 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

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 Centre 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

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

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 Session: Semester 1, Semester 2 Corequisites: ARCH4005 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.

AWSS1001
Architectural Sketching and Drawing
Credit points: 6 Teacher/Coordinator: Mr Mark Jones Session: Semester 1 Classes: Two hours studio per week. Assessment: Portfolio of works and process journal. Practical field work: Studio practice. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: 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, in particular the built world. On successful completion of this unit of study students will have demonstrated familiarity with a range of drawing media and techniques, including charcoal, graphite, conte crayon, pen, brush and ink, as well as being introduced to colour and mixed media. Students will be encouraged to develop a commitment to the practice of drawing as a discipline in its own right as well as a fundamental skill in all design areas. Each technique and approach will be presented against a background of art history and current architectural practice. Students will understand the importance of maintaining a 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.
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.

**AWS2013 Digital Video**

Credit points: 6  Teacher/Coordinator: Mr Mark Jones  Session: Semester 1, Semester 2  Classes: Three hours per week.  Assessment: Studio projects, research journal and associated assignments  Practical field work: Studio practice  Mode of delivery: Normal (lecture/lab/tutorial) Day  Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting.  Students may incur costs for materials in some Art Workshops units.

This practical unit aims to explore the languages of moving image; conventions of framing, movement and editing; developing a fundamental understanding of the technical aspects of pre-production, production and post-production; and generate independent and cooperative working methods using a variety of media. Students will be introduced to digital video systems with up-to-date editing software. Emphasis is placed on skills development, process/storyboarding and ideas. The module is divided into units exploring approaches to lighting, shooting, editing, sound production and concept development.

**AWS2014 Printmaking**

Credit points: 6  Teacher/Coordinator: Mr Mark Jones  Session: Semester 1, Semester 2  Classes: Three hours per week.  Assessment: Studio projects, research journal and associated assignments  Practical field work: Studio practice  Mode of delivery: Normal (lecture/lab/tutorial) Day  Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting.  Students may incur costs for materials in some Art Workshops units.

This practical unit aims to give students a broad understanding of how an etching is developed, offering contemporary non-toxic alternatives to traditional etching. A wide range of mark making techniques will be applied combining collage, photography, photocopry art, textural found objects, digital images, as well as the traditional discipline of drawing. Students will gain knowledge of fundamental plate making techniques, and their different applications through demonstration, slide lectures and discussion. Other forms of printmaking, such as lino cuts and mono prints maybe also explored.

Students will be introduced to the history/theory of printmaking as an art form in contemporary art. Printmaking's relationship to architecture and digital media will be also discussed. Particular emphasis will be placed on the production of a high quality print portfolio on state of the art printmaking papers.  

**AWS2015 General Drawing**

Credit points: 6  Teacher/Coordinator: Mr Mark Jones  Session: Semester 1, Semester 2  Classes: Three hours per week.  Assessment: Studio projects and associated assignments  Practical field work: Studio practice  Mode of delivery: Normal (lecture/lab/tutorial) Day  Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting.  Students may incur costs for materials in some Art Workshops units.

This module aims to provide the student with the knowledge 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. It aims to increase the students level of skill in...
representational, interpretive and expressive areas of drawing. The focus is on the formal aspects of composition and perspective as well as mixed media and experimental approaches. Students use a wide variety of mark-making methods to render line, tonal value and texture. Students are provided with the opportunity to combine sound observational skills with imaginative and experimental techniques in order to encourage a personal vision and a commitment to the practice of drawing. Drawing is a discipline in its own right as well as a fundamental skill in all design areas. Each technique and approach will be presented against a background of art history and theory.

**AWSS2016 Graphic Design (Introduction)**

**Credit points:** 6  
**Teacher/Coordinator:** Mr Mark Jones and Ms Teena Clerke  
**Session:** Semester 1, Semester 2  
**Classes:** Three hours per week.  
**Assessment:** Studio projects and associated assignments, Practical field work; Studio practice  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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 interpret 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.

**AWSS2018 Life Drawing**

**Credit points:** 6  
**Teacher/Coordinator:** Mr Mark Jones  
**Session:** Semester 1, Semester 2  
**Classes:** Three hours per week.  
**Assessment:** Studio projects and associated assignments. Practical field work; Studio practice  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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. It 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.

**AWSS2019 Mixed Media**

This unit of study is not available in 2010
This practical unit assumes students have little or no understanding of dark room practice. It 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. Students should have access to a 35mm SLR film camera.

AWSS2024
Photography 2
Credit points: 6 Teacher/Coordinator: Mr Mark Jones and Ms Paola Talbert Session: Semester 1, Semester 2 Classes: Three hours per week. Prerequisites: AWSS2023 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. Assessment: Studio projects and associated assignments. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Enrolment limits by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

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 that 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.

AWSS2026
Screen Printing on Paper
Credit points: 6 Teacher/Coordinator: Ms Jan Fieldsend Session: S1 Intensive Classes: Three hours per week. Assessment: Studio projects and associated assignments. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Enrolment limits by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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 and print on paper; awareness and appreciation of screen-printing in historical and contemporary contexts; a wide variety of techniques and exercises that can be developed into an edition or experimental series of screen-prints.

Techniques covered include: photo, wax emulsion stencils, preparation of photo-positives, ink technology, registration and print set-up for multi-coloured screen-prints. Through studio practice, set exercises, slide-lectures, gallery visits and library research students will develop an understanding of their creative process and ability to interpret ideas through the medium of screen-printing.

AWSS2027
Sculpture
Credit points: 6 Teacher/Coordinator: Mr Mark Jones Session: Semester 1, Semester 2 Classes: Three hours per week. Assessment: Studio projects and associated assignments. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Enrolment limits by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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. Students will 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.

AWSS2028
Web Art and Design
Credit points: 6 Teacher/Coordinator: Mr Mark Jones Session: Semester 1, Semester 2 Classes: Three hours per week. Assessment: Studio projects and associated assignments. Practical field work: Studio practice Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Enrolment limits by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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 practical 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 the very form of the internet. Students are expected to have a basic knowledge of Web design and the internet.

BDES1010
Architecture Studio 101
Credit points: 6 Teacher/Coordinator: Dr Ross Anderson Session: Semester 1 Classes: Lecture: 1 hour/week, studio 5 hours/week Corequisites: BDES1011, BDES1012 Prohibitions: DESA1001 Assumed knowledge: HSC Mathematics and HSC English Standard or equivalent Assessment: Project (70%), Portfolio (30%) Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit of study introduces students to the skills and knowledge required to produce creative, innovative and appropriate solutions to architectural problems. It seeks to develop the architectural imagination as a dialogue between poetic thought and pragmatic material circumstance, nurturing the capacity to move back and forth between conceptual, intuitive levels of reference and the precise skills required
for credible technical resolution. It expands students’ vocabulary of architecture through study of relevant precedents and examination of techniques for spatial organization. Students develop a preliminary understanding of contemporary architectural theory and employ a range of architectural representation techniques.

Class preparation 6 hours/week

BDES1011
Architectural History/Theory 1
Credit points: 6
Teacher/Coordinator: Dr Chris L Smith
Session: Semester 2
Classes: Lectures 2 hrs pw/Tutorials 1 hr per wk
Corequisites: BDES1010, BDES1012
Prohibitions: DESA1102
Assumed knowledge: HSC Mathematics and HSC English Standard or equivalent
Assessment: Report (40%), Project (20%), Tutorial Participation (10%) Exam (30%)
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit of study introduces students to the discourse of architectural history and theory. It commences with a concise chronological survey of key periods of architectural history from antiquity to the present day, providing an overview of the scope of the field and establishing initial points of reference. It then changes focus to investigate more closely the ways in which particular architectural themes and ideas traverse across history, coming to the fore in certain periods and receding in others. Students will interrogate these themes in small groups through intense study of a single significant building, which they will research, document and illustrate in a written report, and re-construct as a finely crafted scale model. They will be introduced to fundamental principles and skills of scholarly research, including locating and evaluating sources, and constructing arguments.

Lectures 2 hrs pw/Tutorials 1 hr per wk/ Presentation/Exhibition 1 Class preparation 5 hours/week

BDES1012
Architectural Communications 1
Credit points: 6
Teacher/Coordinator: Dr Sarah Benton
Session: Semester 2
Classes: Lectures 1 hr/wk; Tutorials 5 hrs/wk
Corequisites: BDES1010, BDES1011
Prohibitions: DESA1001
Assumed knowledge: HSC Mathematics and HSC English Standard or equivalent
Assessment: Portfolio (30%), Sketchbook (70%)
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit of study introduces students to fundamental modes of communication used to comprehend, conceive, explore, articulate and document architecture. It covers the domains of sketching, technical drawing, model making, verbal and written communication, diagramming and photography. It both acquaints students with technical skills and encourages their creative deployment through practical experimentation.

Reinforcing the theoretical interrogation explored in Architectural Theory 1, students employ communication techniques in developing a series of creative representations and presentations of a single significant historical precedent. Students document, illustrate and model the building primarily through analogue media.

Class preparation: 6 hr/wk

BDES1020
Architecture Studio 102
Credit points: 6
Teacher/Coordinator: Prof Sandra Kaj-O’Grady
Session: Semester 2
Classes: Lectures 1 hour/week, Studio 5 hours/week
Corequisites: BDES1010 or DESA1001
Prohibitions: BDES1023, BDES1024
Assumed knowledge: BDES1011, BDES1012
Assessment: Project (40%), Presentation/Project (30%), Portfolio (30%)
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit of study further develops and applies the skills and knowledge gained in Studio 101 in response to increasingly concrete and complex programmatic and contextual issues. The design of a single building in a complex international urban context is advanced through a series of iterations with an emphasis on practical experimentation at a range of scales and in a range of media. The work is drawn together into a final presentation comprising a finely crafted model and panels of drawings of an exhibition standard.

Lectures: 1 hour/week, Studio 5 hours/week, Presentation 1 Hour
Class preparation 6 hours/week,

BDES1023
Architectural Technologies 1
Credit points: 6
Teacher/Coordinator: Ms Kristine Sodersten
Session: Semester 2
Classes: Lectures 3 hr/wk; Studio 3 hr/wk; Field Trip 3hrs
Corequisites: BDES1020, BDES1024
Prohibitions: DESA1102
Assessment: Case studies 30%; Studio exercises 40%; exam 30%
Mode of delivery: Normal (lecture/lab/tutorial) Day

Architectural Technologies 1 introduces the role of environmental design, structures and construction in architectural design. This unit introduces basic concepts and principles in each area, and then demonstrates their applications in building designs through case studies and design-based exercises. These exercises progressively introduce students to knowledge required for the analysis, synthesis and construction of technical systems applicable to small scale and single-space buildings.

Class preparation: 6 hr/wk

BDES1024
Art Workshop 1
Credit points: 6
Teacher/Coordinator: Ms Jan Fieldsend
Session: Semester 2
Classes: Lecture 1 hr/wk; Studio 2-3 hours/week
Corequisites: BDES1020, BDES1023
Assessment: Project (25%), Project (25%), Project (25%); Journal (25%)
Mode of delivery: Normal (lecture/lab/tutorial) Day

In this unit of study first year architecture students begin to shape and communicate their ideas and experiences in various two-dimensional and three-dimensional art practices. Three separate studios within one semester seek to foster technical, creative and conceptual skills with a particular emphasis on the sensory and imaginative interactions between making, materials and meaning. A combination of specific disciplines including - sculpture, ceramics, photography, painting, drawing, printmaking, graphic art and mixed media - and the maintenance of a research diary (including gallery reviews) extend students’ understanding of their own creative process and how art may contribute to their thinking and practice in general. A framework of lectures, visiting artist talks, gallery visits and readings asks students to consider the dynamic interchange between historical, cultural and environmental concerns, and contemporary visual arts.

Lecture 1 hr/wk; studio 2-3 hours/week; 3 hour presentation
Class preparation 3 hours/week,

BDES2010
Architecture Studio 201
Credit points: 6
Teacher/Coordinator: A/Prof Anna Rubbo
Session: Semester 1
Classes: Lectures: 1 hr/wk; studio 5 hours/week
Corequisites: BDES1020 or DESA1002
Prohibitions: BDES2012, BDES2013
Assessment: Class participation 15%; Report 10%, project 60%, portfolio 15%
Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit introduces the discipline of landscape architecture, including an understanding of ecological processes and natural systems as they impact the design of buildings in green field and urban landscapes. The unit focuses on the imaginative design of buildings in landscapes that support social and environmental sustainability and ethical awareness. Learning objectives include development of skills needed for design informed by research, collaborative work processes, knowledge of site analysis and master planning, and an appreciation of the meaning of place.

Class preparation 6 hr/wk

Textbooks
Jellicoe, G and S, The landscape of man: shaping the environment from prehistory to the present, 1975, Thames and Hudson.

BDES2012
Architectural Communications 2
Credit points: 6
Teacher/Coordinator: Dr Sarah Benton
Session: Semester 1
Classes: Lectures 1 hr/wk; Tutorials 5 hr/wk
Corequisites: BDES2010, BDES2013
Prohibitions: DESA2001
Assessment: Portfolio (30%), Sketchbook (70%)
Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit of study introduces experimental digital technology into modes of architectural communication. It re-considers imagery, modelling, and verbal and written communication through computer
Aided operations, interfaces and projective techniques. The course equips students with knowledge of digital drafting and modelling, texture mapping, lighting, rendering and digital fabrication technologies, and encourages their creative application.

Reinforcing the parallel design and technologies courses, students employ communication techniques for representations and presentation of a single significant historical precedent. Students document, illustrate and model the building primarily through digital media.

Class preparation: 6 hr/wk

**BDES2020**

Architectural Studio 202

Credit points: 6

**Teacher/Coordinator:** Ms Kristine Sodersten

**Session:** Semester 2

**Classes:** Lectures 1 hr/wk, studio 4 hr/wk

Corequisites: BDES2010, BDES2024

Prohibitions: DESA2111

**Assessment:** Case studies 30%, studio exercises 40%, exam 30%

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

Architectural Technologies 2 explores the key aspects of environmental design, structures and construction in the architectural design of medium scale buildings with multiple internal spaces, and the relationship of these key aspects with the building’s context. The focus is on actively engaging students in gaining an understanding of the key issues in the design and assembly of moderately complex systems applicable to this scale of buildings to respond to each of the technical areas. The application of this knowledge is demonstrated through the analysis of case studies and design-based exercises.

Lectures 3 hr/wk; Studio 3 hr/wk; Class preparation: 6 hr/wk

**BDES2021**

Architectural History/Theory 2

Credit points: 6

**Teacher/Coordinator:** Dr Duanfang Lu

**Session:** Semester 2

**Classes:** Lectures: 1.5 hr/wk, tutorial 1.5 hr/wk

Corequisites: BDES2020, BDES2024

Prohibitions: DESA2111

**Assessment:** Case participation 15%, article review 30%, architectural criticism presentation 30%, small group research project 25%

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

This unit exposes students to a variety of issues related to the cultural, social, ethical and global aspects of contemporary architecture. Drawing on diverse perspectives, the unit provides an overview of traditional media. The nexus between traditional and innovative art forms/processes provides a basis for students to develop individual and collaborative bodies of work around a set theme that is common to all studios. Through a series of lectures, independent research, dialogue and studio practice they will explore the contexts in which ideas reverberate between cultures and how we understand ourselves in relation to local, national and global contexts.

Lectures: 1 hr/wk, studio 2-3 hr/wk, 2-hour presentation.

Class preparation 3 hr/wk

**BDES3010**

Architecture Studio 301

Credit points: 6

**Teacher/Coordinator:** Dr Chris L Smith

**Session:** Semester 1

**Classes:** Lectures: 1 hour/week, studio 4 hours/week


Corequisites: BDES3011, BDES3012

Prohibitions: DESA3001

**Assessment:** Portfolio (100%)

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

Note: Progression to BDES3010 requires successful completion of all preceding BDES10XX and BDES20XX units of study or the successful completion of all preceding Design Practice and Design Studies units of study.

This unit of study introduces students to the design skills and knowledge required to produce a conceptual and experimental solution to a medium-scale urban architectural problem. It seeks initially to refine student’s skills in the analysis of public space, urban design, and historical and theoretical contexts. Students deploy the analysis in creative and experimental ways in designing medium scale architecture with a complex program within the urban context.

Students integrate multiple criteria (contextual, sustainable, urban design, structural, material, constructional) into a design within a rigorous conceptual and theoretical framework. Students utilize their developing understanding of contemporary theory and critique and a range of architectural representation techniques.

Class preparation 7 hours/week

**BDES3011**

Architectural History/Theory 3

Credit points: 6

**Teacher/Coordinator:** Dr Ross Anderson

**Session:** Semester 1

**Classes:** Lectures 2 hr/wk, tutorials 1 hr/wk

Corequisites: BDES2021 or DESA2111

Prohibitions: BDES3010

**Assessment:** Weekly tutorial proformas (30%), Research paper and verbal presentation (70%)

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

This unit of study surveys contemporary architectural discourse through the study and analysis of central texts and architectural sources. Architectural discourse will be understood as a wide array of interlocking ‘regimes of thought’, each of which has its own multiple histories, transformations and unique effects. Students will become generally conversant in the principles of these central theories, and will understand some of their terms and references. They will explore the way that theory is produced and deployed at every level of architectural discourse from the seemingly casual discussions in the design studio to formal written arguments. Paying close attention to the exchange between thought and action, they will explore the trends since 1960 that have sought to relate the analysis of architecture to wider social and historical conditions.

Class preparation 6 hr/wk

**BDES2024**

Art Workshop 2

Credit points: 6

**Teacher/Coordinator:** Ms Jan Fieldsend

**Session:** Semester 2

**Classes:** Lectures: 1 hr/wk, studio 2.3 hr/wk

Corequisites: BDES2020, BDES2021

Assumed knowledge: BDES1024

**Assessment:** Studio Project (60%), Research (40%)

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

Drawing upon skills and knowledge learnt in Art Workshop 1 (BDES1024), students extend their ability to work with complex ideas and interdisciplinary experimental art practices. Students choose one workshop from a variety of options including: site-specific art, installation, digital media, object design, social participatory and performative art practices, curatorial projects as well as a re-working of traditional media. The nexus between traditional and innovative art forms/processes provides a basis for students to develop individual and collaborative bodies of work around a set theme that is common to all studios. Through a series of lectures, independent research, dialogue and studio practice they will explore the contexts in which ideas reverberate between cultures and how we understand ourselves in relation to local, national and global contexts.

Lectures: 1 hr/wk, studio 2-3 hr/wk, 2-hour presentation.

Class preparation 3 hr/wk

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relevance of the discussed theories to the formation of current circumstances, and to the place of architecture within contemporary culture as a whole. Students take responsibility for their own learning, engaging in continuous reflection and developing skills in oral, written, and visual forms of communication to critique, create and articulate knowledge. They will be introduced to fundamental principles and skills of scholarly research, including locating and evaluating sources, and constructing arguments.

Lectures 2 hr/wk; Tutorials 1 hr/wk; Presentation 1 hr, Class preparation: 5 hr/wk

BDES3012 Architectural Communications 3

Credit points: 6 Teacher/Coordinator: Dr Sarah Benton Session: Semester 1 Classes: Lectures 1 hr/wk; Tutorials 5 hr/wk Prerequisites: BDES2012 or DESA2002 Corequisites: BDES3010 and (BDES3011 or DAAP3001) Prohibitions: DESA3001 Assessment: Portfolio (30%), Sketchbook (70%) Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit of study consolidates students' knowledge of the techniques and strategies available for communicating architecture, and advances the domains of drawing, imagery and modeling through concepts of movement and simulation. Students are introduced to interoperable animation and database software used for simulation and documentation of architecture. It instills in students sensitivity for employing a hybrid set of techniques and introduces them to dynamic communication procedures deployed in professional architectural practice.

Reinforcing the parallel design course, students employ communication techniques for representations and presentation of their own design project. Students document, illustrate and model the building through a range of media.

Class preparation: 6 hr/wk

BDES3020 Architecture Studio 302

Credit points: 6 Teacher/Coordinator: Dr Chris L Smith Session: Semester 2 Classes: Lectures 1 hr/wk, studio 5 hr/wk Prerequisites: BDES3010 or DESA3001 Corequisites: BDES3023 or DAAP3002 Prohibitions: DESA3002 Assessment: Field Studies 10%, Project 50%, Portfolio 40% Mode of delivery: Normal (lecture/lab/tutorial) Day

Studio 302 is a graduating studio for the degree, building students' capacities as interpretive, insightful and innovative architectural designers. This studio is a 'capstone experience', integrating knowledge and skills developed through the degree. Through the design of a key civic building, it focuses on the exploration, integration and expression of architectural ideas through technical materiality. This is explored through an extended field trip, associated studies in architectural technology and consultancies with professionals. Theory and inquiry inform the development of the project brief and the exploration of conceptual ideas, while communications studios and workshops support the skills required to express design ideas at a pre-professional level. Group work, peer learning, engagement and judgment abilities are developed through a collaborative working studio

Lectures 1 hr/wk, studio 5 hr/wk, Field trip 18 hrs Class preparation: 6 hr/wk

BDES3023 Architectural Technologies 3

Credit points: 6 Teacher/Coordinator: Dr David Gunaratnam Session: Semester 2 Classes: Lectures 1 hr/wk; Studio 3 hr/wk; Prerequisites: BDES2013 or DESA2111 Corequisites: BDES3020 Prohibitions: DAAP3002 Assessment: Studio Exercises 40%; Case Studies 36%; Exam 30% Mode of delivery: Normal (lecture/lab/tutorial) Day

Architectural Technologies 3 investigates advanced and complex building systems in architecture, both overall and in detail, from the three interwoven perspectives of environmental design, structures and construction. The unit focuses on the two key aspects of decision making and integration in the design of technical systems for buildings. The main design project is used as a vehicle for demonstrating the knowledge gained in investigating the requirements and synthesising of an appropriate building system that responds to and integrates each of these three perspectives.

Lectures 1 hr/wk; Studio 3 hr/wk; Field Trip 3hrs Class preparation: 6 hr/wk

BDES3025 Architectural Professional Practice

Credit points: 6 Teacher/Coordinator: Paul Berkemeier Session: Semester 2 Classes: Lectures 2 hrs/wk; Studio 3 hrs/wk Corequisites: BDES3020 Assessment: Field studies report 10%, Brief development report 10%, Design project (DA) presentation 80% Mode of delivery: Professional Practice

Professional Practice introduces graduating students to the practice of architecture. The unit focuses on design development in regulatory and practice management frameworks. Students are introduced to the principles of key regulatory requirements and use these understandings to critically investigate local practice through case studies. They develop their understanding through the design development of a project and take this to Development Application level using current practice.

Lectures 2 hrs/wk; Studio 3 hrs/wk; Field Trips 6hrs, Class preparation: 5hrs/wk

DAAE2001 20th Century Australian Architecture

Credit points: 6 Teacher/Coordinator: Mr Trevor Howells Session: Semester 2 Classes: 3 hrs/wk Assessment: One seminar presentation and one 3000 word essay. Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit will introduce students to a range of architectural styles and aspirational buildings 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 Teacher/Coordinator: A/Prof Anna Rubbo Session: Semester 1 Classes: 3 hours per week 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 place 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: 26 hours per semester.

DAAE2004
Housing for Health
This unit of study is not available in 2010
Note: Department permission required for enrolment.

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 Early, Winter Main Classes: Online delivery through WebCT Assumed knowledge: 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. Mode of delivery: On-line.
Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

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. This also applies to the design of digital environments. (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 the 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 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.

To preview the material in the course go to: http://people.arch.usyd.edu.au/~terry/DAAE2005/

DAAE2006
Designing with Colour 2
Credit points: 6 Teacher/Coordinator: Dr Terry Purcell Session: Semester 2, Summer Early, Winter Main Classes: Online through WebCT Prerequisites: DAAE2005 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.
Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

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 firstly 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 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.

To preview the material in the course go to: http://people.arch.usyd.edu.au/~terry/DAAE2006/

DAAE2007
Introduction to Project Management
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: Semester 2 Classes: 3 hours per week Assessment: Two assignments and an Examination 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. the management of project scope, time, cost, quality, human resources, communications, risk, procurement and integration. 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 practical projects in architecture, design, building and construction fields. The major focus is to obtain an awareness and understanding of the fundamental skills needed by designers to deliver a project. On successful completion of this unit, students will be able to: demonstrate knowledge of project management fundamentals; conceptually apply the project management fundamentals to other project types and endeavors; use tools and techniques of scope, time, cost, quality, human resources, communications, risk, procurement and integration. Knowledge of project management fundamentals will be assessed through an end of semester examination. Ability to apply project management fundamentals will be assessed by assignments. Student's
effectiveness in working within a group and their ability to lead and manage will be assessed through reflective learning assignments where relevant. Group presentation will be demonstrated 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.

Textbooks

DAAE2008 Innovative Building Structures
Credit points: 6 Teacher/Coordinator: D J Gunaratnam Session: Semester 2 Classes: 3 hours per week Prerequisites: DESA2111 or BDS2013 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: Prof Richard Hyde Session: Semester 1 Classes: 3 hours per week Prerequisites: DESA2111 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 implication 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: Chris Smith Session: Semester 1 Classes: 3 hours per week Corequisites: DESA3001 Assessment: Attendance; submission of text and material engagement assignment. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment.

The unit will consider architecture as the complex assemblage of material practices and theory. Students will be introduced to some of the key lines of thought that have impacted on architectural processes of the first decade of the 21st Century and the ways in which architectural production has responded and contributed to those lines. Students will become familiar with contemporary theoretical concepts and the architectural design processes associated with those concepts.

On successful completion of this unit students will have demonstrated: a familiarity of the relationship between theory and material practices; a familiarity with the concepts and architectures presented, and; an ability to respond critically to conceptual notions and material practices.

The demonstration will take the form of specific material engagements and textual analysis.

This unit is a Master 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 Assessment: Assignments (one of which is integral with another assessment task in DESA3002) & examination. Failure in any single module equates to failure in the overall unit of study. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment.
The unit of study develops knowledge about structural and environmental control systems 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 approximate 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-scaled building, generate a number of alternative structural systems that satisfy these design requirements, evaluate them based on 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 DECO3002: 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.

DECO1008
3D Modelling
Credit points: 6
Teacher/Coordinator: Dr Xiangyu Wang
Session: Semester 2
Classes: Three hours per week
Prohibitions: DECO2103
Assessment: 4 written quizzes, two Project submissions, Normal (lecture/lab/tutorial) Day

Note: This unit is for BDesComp 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.

DECO1012
Design Programming
Credit points: 6
Teacher/Coordinator: Dr Rob Saunders
Session: Semester 1
Classes: Three hours per week
Prohibitions: DECO2011
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.

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 that include individual and group programming assignments; implementation techniques such as editing, using libraries, team programming, and compilation and runtime environments through individual and group programming assignments; knowledge of the Java programming language including: classes, methods, object creation, instance and local variables, primitive and object types, simple I/O, and control flow through individual and group programming assignments; knowledge of software design and development processes including analysis of requirements, design of classes, software lifecycles, and managing software projects through group programming assignments.

This unit is core of 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.

DECO1013
Sound Design and Sonification

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 sensate 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 sensate, 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.

DECO1100
Digital Design Studio
Credit points: 12 Teacher/Coordinator: Dr onacloV Session: Semester 1 Classes: Lectures and computer labs. 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. BST students by permission. Enrolment is limited by teaching resources.

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.

DECO2010
Collaborative Virtual Environments
Credit points: 6 Teacher/Coordinator: Dr Xiangyu Wang Session: Semester 1 Classes: 3 hours per week. Prerequisites: DECO1100 or DECO (2101 and 2102) or INFO (1000 or 1003) Prohibitions: DEC02005 Assessment: Tutorial exercises, collaborative project, individual written reports, oral presentations. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.

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.

DECO2101
Digital Image Design & Representation
Credit points: 6 Teacher/Coordinator: Dr onacloV Session: Semester 1 Classes: Lectures and computer labs, 3 hours per week. Prohibitions: DECO1001, DECO1100 Assessment: Tutorial submissions, Individual project submissions Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing.

In studying this unit, students will: be introduced to digital image representation and technology; 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. 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 how to incorporate frame-based animation and morphing with their digital designs through tutorial exercises.
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.

**DECO2102**

Interactive Multimedia Design

**Credit points:** 6  
**Teacher/Coordinator:** Dr Martin Tomitsch  
**Session:** Semester 2  
**Classes:** Three hours per week  
**Prohibitions:** DECO1002, DECO2002  
**Assessment:** Tutorial submissions, preliminary design reports, final design presentation and report.  
**Mode of delivery:** Online

*Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing.*

This unit introduces interactivity and multimedia through design projects. Students will develop technical as well as methodological skills for designing and developing interactive software, web sites, products, and services. Elements of interaction design including menus, screen design, motion, animation, graphics design, and sound integration will be addressed for various media and platforms, including the Internet and mobile devices. Methods for interaction design that will be covered include requirement analysis, storyboarding, and prototyping. Software used includes Flash and 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. ActionScript, HTML, and JavaScript, through tutorial exercises; understanding of different types of user interaction, with an emphasis on traditional interfaces, but including innovative methods of interaction (as a preparation for the 3rd year Human-Computer Experience Design Studio). Contribution to program: This unit of study is core in the Bachelor of Design Computing program. It 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 and interaction design understanding. The unit develops interaction narrative, engagement, curiosity and design methods using the computer interface. It lays the groundwork for scripting interactivity using web-based and standalone technologies. The unit leads on to the subsequent Human-Computer Experience, which further pursues interaction, moving to mobile, wireless, haptic and spatial sensate interfaces.

**DECO2103**

3D Modelling

**Credit points:** 6  
**Teacher/Coordinator:** Dr Xiangyu Wang  
**Session:** Semester 2  
**Classes:** Three hours per week  
**Prohibitions:** DECO1008  
**Assessment:** Tutorial exercises and two project submissions.  
**Mode of delivery:** Online

*Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing.*

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.

**DECO2200**

Interaction Design Studio

**Credit points:** 12  
**Teacher/Coordinator:** Dr Martin Tomitsch  
**Session:** Semester 2  
**Classes:** 12 hours per week  
**Prerequisites:** DECO1100  
**Prohibitions:** DECO1200  
**Assessment:** Tutorial submissions, preliminary design reports, final design presentation and report.  
**Mode of delivery:** Online

*Note: Core unit for the Bachelor of Design Computing. BST students by permission. Enrolment is limited by teaching resources.*

This unit introduces interactivity and multimedia through design projects. Students will develop technical as well as methodological skills for designing and developing interactive software, web sites, products, and services. Elements of interaction design including menus, screen design, motion, animation, graphics design, and sound integration will be addressed for various media and platforms, including the Internet and mobile devices. Methods for interaction design that will be covered include requirement analysis, storyboarding, and prototyping. Software used includes Flash and 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 mark-up languages for enabling dynamic content and interactive designs, e.g. ActionScript, HTML, and JavaScript, through tutorial exercises; understanding of different types of user interaction, with an emphasis on traditional interfaces, but including innovative methods of interaction (as a preparation for the 3rd year Human-Computer Experience Design Studio). Contribution to program: This unit of study is core in the Bachelor of Design Computing program. It 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 and interaction design understanding. The unit develops interaction narrative, engagement, curiosity and design methods using the computer interface. It lays the groundwork for scripting interactivity using web-based and standalone technologies. The unit leads on to the subsequent Human-Computer Experience, which further pursues interaction, moving to mobile, wireless, haptic and spatial sensate 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.

**DECO2204**

Principles of AutoCAD

**Credit points:** 6  
**Teacher/Coordinator:** Dr Paul Marty  
**Session:** Semester 2  
**Classes:** Initiating lecture, with self directed on-line information transfer, augmented by weekly in-lab question and answer sessions, in most weeks.  
**Assessment:** Basic and advanced CAD tutorials; Personal modeling project.  
**Mode of delivery:** On-line

*Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference.*
AutoCAD is a widely used application in many design professions, combining both traditional CAD drafting and 3D object oriented functionalities. This unit introduces: 1) AutoCAD Classic and Revit technology and skills required for computer based production of 2D drawings, 3D modeling, and for dynamic visualizations, to assist designing, documentation and presentation, of built designs, and 2) Principles and practice of rational and economical model structuring, production and presentation, using layers and blocks. The unit aims to enable students to develop: 1) Computing skills in the use of parametric object oriented modeling tools to produce and display accurate and convincing models, and 2) Skills of information acquisition, enquiry, formulation and production, employing on-line media, individually and in collaboration with others.

On completion, competencies in the use of AutoCAD software will be sufficient for students 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. Students will also have gained an ability to find and utilise on-line information to refresh, update and extend their CAD knowledge and skills.

**DECO2205 Principles of ArchiCAD**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Paul Murty  
**Session:** Semester 1  
**Classes:** Initiating lecture, with self directed on-line information transfer, augmented by weekly in-lab question and answer sessions, in most weeks.  
**Assessment:** Basic and advanced CAD tutorials; personal modeling project.  
**Mode of delivery:** On-line  
**Note:** Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference.

This unit aims to: 1) introduce ArchiCAD technology and skills required for computer based production of 2D drawings, 3D models and static or dynamic visualisations, to assist designing, documentation and presentation, of built designs, 2) introduce principles and practice of rational and economical model structuring, production and presentation, using layers, storys and objects, and 3) develop computing skills in the use of parametric object oriented modeling tools to produce accurate and convincing models. 4) develop skills of information acquisition, enquiry, formulation and production, employing on-line media, individually and in collaboration with others. ArchiCAD is an object-oriented CAD application, developed specifically for documenting and creating 3D models, design visualisations and virtual buildings. This unit of study introduces the use of ArchiCAD basic object tools and advanced functions such as GDL and Building Information Modeling (BIM). At the completion of this unit competencies in the use of ArchiCAD software will be sufficient for students 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 and management. Students will also have gained an ability to find and utilise on-line information, to refresh, update and extend their CAD knowledge and skills.

**DECO2606 Real Time Multimedia**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Rob Saunders  
**Session:** Semester 2  
**Classes:** 1hr lecture and 2hrs comp lab/wk  
**Prerequisites:** DECC(1008 or 2103) and (SOFT1001 or DECO(1012 or 2011))  
**Assessment:** Sketches and participation 30%, research presentation 25%, final demo 45%.  
**Mode of delivery:** Normal (lecture/lab/tutorial)  
**Note:** Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.

In this unit of study we will explore the medium of real-time multimedia for story telling and the presentation of information in novel and compelling ways. Using a range of software tools, including video production software, together with some knowledge of scripting students will develop real-time multimedia experiences based around a shared theme or process. Themes may include the telling of a particular story, the expression of an emotion, or the exploration of a critical question. Processes may include the sourcing of raw material, the digital manipulation of that material, and the means of displaying the final production. Students will be asked to conduct background research into the themes being explored in the class and present the results of their research in class. The objectives of the unit are to introduce the principles of multimedia authoring with an emphasis on production for real-time environments and the design of rich multimedia experiences.

**DECO3003 Design Computing Research Opportunity**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Andy Dong  
**Session:** Semester 2  
**Classes:** Seminars, meetings  
**Prerequisites:** 96 credit points and minimum WAM of 65.  
**Assessment:** Two progress reports each 15% and final report worth 70%.  
**Mode of delivery:** Normal (lecture/lab/tutorial)  
**Note:** Department permission required for enrolment. Note: Students from other faculties may apply directly to the Faculty of Architecture, Design and Planning.

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 Interaction Design**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Martin Tomitsch  
**Session:** Semester 1  
**Classes:** Seminars, online tutorials and reading modules  
**Prerequisites:** DECO(1200 or 2200 or 2102)  
**Prohibitions:** DECO9142  
**Assessment:** Exercises and major design authoring project demonstrating understanding and implementation of interactive interface design principles.  
**Mode of delivery:** Normal (lecture/lab/tutorial)  
**Note:** Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.

The objectives of the unit are to develop a comprehensive understanding of interactive 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. Students will investigate effective navigational and design strategies for engaging interface design. Programming tools used in the unit include Flash, Javascript, and Processing. Applications will be developed and deployed for different platforms, such as the iPhone. 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 mobile and contextual design will extend the understanding of interactive interface design. Students will develop further understanding of interaction design and develop strategies to apply this understanding to interactive design projects. At the conclusion of the unit students should have a well-developed understanding of interaction design demonstrated through the structure and design of an interactive multimedia project; an understanding of efficient navigational and innovative interface design eliciting user engagement and demonstrated knowledge of responsive multimedia; an understanding of technical methods to link content and external data (e.g. from sensors or online sources) to the multimedia product.

DECO3006 Principles of Animation
Credit points: 6
Teacher/Coordinator: Dr Andy Dong
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 numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.

The aims of this unit of study are to introduce the fundamental principles of the animation process, to develop an understanding of the process involved in developing character, text and sound based animation, and to develop an understanding of the integration between 2D artwork and 3D spaces and lighting. Students will develop an understanding of the application of animation in the production of film, television, Web, electronic art, and other platforms that can show visual content. This elective forms an introduction to the computer-based animation process from understanding 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 and the critical vocabulary to describe animation. Basic knowledge will be related to foundational technical skills in industry standard software for animation and aims to serve as an introduction to further animation learning. At the conclusion of this unit a student should have the ability to perform text and character animation using various animated techniques, and to produce films that incorporate animation principles.

DECO3008 Design Computing Prep Honours Research
Credit points: 6
Teacher/Coordinator: Dr Andy Dong
Session: Semester 1
Classes: Two hour seminar per week.
Prerequisites: 72 credit points and minimum WAM of 70
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(1100 and 2200) or DECO(2101 and 2102) or DECO(2012 and 2013) or DECO(1013 and 2013)
Prohibitions: DECO3001
Assessment: Tutorial exercises, design project reports, final design presentation and report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Core unit for Bachelor of Design Computing. BST students by permission. Enrolment is limited by teaching resources.

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 attention to metaphoric mapping, human-computer interaction, user engagement, and interdisciplinary insights. Topics will include: abstract data visualization (graphical, ambient or non-visual); metaphor creation and evaluation; interdisciplinary influences; server-side programming and client-side scripting.

After successful completion of this unit of study, students will have acquired: an awareness of information visualization issues through reviews of significant research publications; a research methodology by the development of a relevant research paper; design skills required to develop an information visualization prototype using a real-world dataset; relevant knowledge about tools and programming languages that process data on the server-side and present information interactively on the client-side.

This unit is core unit for Bachelor of Design Computing students only. 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.

DECO3200 Human-Computer Experience Des Std
Credit points: 12
Teacher/Coordinator: Dr Andy Dong
Session: Semester 2
Classes: Lectures and studio. 12 hours per week
Prerequisites: DECO3100 or (DECO2101 and DECO2102 and (DECO(1012 or 2011 or SOFT1001))
Prohibitions: DECO3002
Assessment: Comprehensive capstone design project; studio participation; fortnightly design tasks. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Core unit for Bachelor of Design Computing. BST students by permission. Enrolment is limited by teaching resources.

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 kinds of artefacts we create. Meanwhile the tethering of humans 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 objects that have embedded information content, computation, and intelligence. The students will explore through design the possibility of design computing in which humans and computing devices co-create humanistic experiences.

On the successful completion of this unit of study, students will have demonstrated an understanding of user-centered design (UCD) in the context of new product development, and through this process, realise an operational prototype of an interactive computing product. 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 embedded information content, context, and intelligence. The unit of study also reinforces the students’ experiences in designing through reflection-in-action of the design process.

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. 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.

DECO3551
Design Computing General Elective A
Credit points: 8 Session: S1 Intensive, S2 Intensive, 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 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.

DECO3552
Design Computing General Elective B
Credit points: 6 Session: S1 Intensive, S2 Intensive, 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 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.

DECO3553
Design Computing General Elective C
Credit points: 6 Session: S1 Intensive, S2 Intensive, 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 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.

DECO3554
Design Computing General Elective D
Credit points: 6 Session: S1 Intensive, S2 Intensive, 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 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.

**DECO4001**

Design Computing Honours Research A

**Credit points:** 12  
**Teacher/Coordinator:** Dr Andy Dong  
**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.

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  
**Corequisites:** DECO4001  
**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 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  
**Corequisites:** DECO4002  
**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 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.
material a Reflective Process Record, in which you describe and comment on these processes. (3) Reflect on your design processes through keeping a daily process associated with dealing with change in light intensity within the environment and the perception 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.

Participants in the unit will 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. 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.

To preview the material in the course go to: http://people.arch.usyd.edu.au/~terry/DESA1004/sl_introduction.html

DES1A004
Designing with Surfaces and Light
Credit points: 6
Teacher/Coordinator: Dr Terry Purcell
Session: Semester 2, 2004
Mode of delivery: On-line
Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

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 in the environment. 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 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 perception 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.

Participants in the unit will 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. 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.

To preview the material in the course go to: http://people.arch.usyd.edu.au/~terry/DESA1004/sl_introduction.html
On successful completion of this unit of study each student will have: demonstrated an awareness of core issues in inhabiting, designing and constructing the built environment by attendance and background reading; demonstrated an understanding of key issues and impacts involved with the natural world, including climatic and ecological systems, as a setting for sustainable design through assignment and examination; analysed, evaluated and justified environmental issues of a site and its context, and the environmental impact of a building on its surroundings through exercises in the corequisite unit; demonstrated an understanding of the physical, sensory, behavioural and ergonomic relationship between people and the everyday and designed environments through exercises and examination; demonstrated a basic comprehension of the cultural context, influences on and historical precedent of our present built environment through an assignment; demonstrated an understanding of basic principles of structure including an understanding of the basic properties of common structural materials, the ability to recognise simple structural types and the behaviour of structural elements through quizzes and examination.

This is a core unit for the Bachelor of Design in Architecture. It unit introduces 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); class preparation: 1 hour per week; assessment preparation: 26 hours per semester.

DESA1102 Design Studies 1B
Credit points: 6 Teacher/Coordinator: Dr Chris L Smith Session: Semester 2 Classes: 6 hours per week (lecture and tutorial) Corequisites: DESA1002 Assumed knowledge: DESA1001 and 1101 Assessment: Examinations, assignments, quizzes and examinations. Overall assessment grading will be Pass/Fail result only. Failure in any single module equates to failure in the overall unit of study. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment.

Design Studies 1B presents additional conceptual, precedent and procedural knowledge about inhabiting, designing and constructing the built environment to that presented in Design Studies 1A and Design Practice 1A. It extends previously presented knowledge in both depth and breadth and is applied in the corequisite unit, 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 basis for 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) Structures: This module expands upon the knowledge presented in Design Studies 1A. The repertoire of structural materials and systems, to provide a basis for selecting appropriate structural systems for design problems, is expanded. 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 key issues in sustainability in the built environment and their application by 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.

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.

DESA2001 Design Practice 2A
Credit points: 12 Teacher/Coordinator: AProf Anna Rubbo Session: Semester 1 Classes: Studio, lectures, seminars, field trips, workshops, labs. 12 hours per week Prerequisites: DESA1002 Corequisites: DESA 2111 Assumed knowledge: DESA1101 and DESA1102 Assessment: This will be in the form of specific, short assignments and examinations, with the main summative assessment tasks being a major design proposal presentation to a jury including the technical aspects of the design and a record of the design process undertaken. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Progression to DESA2001 requires successful completion of DESA1002. Students may incur materials costs in this unit.

The main aim of this unit of study is to develop your design understanding and skills. This includes encouraging you in the pursuit of excellence in all aspects of designing the built environment. To do this it requires you to apply, and extend, the knowledge and abilities which you gained in Design Practice 1A and 1B, and Design Studies 1A and 1B. To achieve this aim, there is an increase both in the complexity of a design situation, in terms of the number of key issues, and in the level of resolution expected of you in dealing with these. You will continue to study the built environment at the scale of the urban form of a neighbourhood in a city. You will focus on the interplay between interior of a building and its context, both physical and cultural. You will explore the formulation of simple environmental, structural and constructional strategies that enhance the environmental 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 skill in your ability to: (1) analyse and interpret the relationship between the interior and exterior physical form and fabric of a building, and its physical, historical and cultural context through completing a series of case studies. (2) explore and apply key aspects of knowledge, 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: use appropriate knowledge and strategies from precedents related to specific design issues, including social dimensions; express an understanding of personal and interpersonal interaction; 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 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.

DESA2002
Design Practice 2B
Credit points: 12 Teacher/Coordinator: A/Prof Anna Rubbo Session: Semester 2 Classes: Studio, lectures, seminars, field trips, workshops, labs, 12 hours per week Prerequisites: DESA2001 Assumed knowledge: DESA2111 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 Note: Department permission required for enrolment. Note: Progression to DESA2002 requires successful completion of DESA2001. Progression to DESA3001 requires completion of all preceding Design Practice and Design Studies units. Students may incur materials costs in this unit.

The main aim of this unit of study is to contribute to the progressive development of your design education. This includes encouraging you in the pursuit of excellence in design. You will be required not only to apply understanding you demonstrated previously, but learn new ways of designing. To achieve this aim, there is once again an increase in the complexity of the design project, in the level of resolution and expertise expected of you in dealing with these. You will be exploring architecture as an expressive language. You will be addressing built form and architectural space on an extensive site, taking into account the adjoining architectural and cultural context. You will be required to research your project, use all your abilities in testing, evaluating and developing your design, and develop to a higher level your presentation skills, manual and computer-aided drawing skills and modelling. You will be required to demonstrate the technical solutions integral to your design. 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 at 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; 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; reflect on your design processes through keeping a daily journal; and through preparing from this and your recorded material a summarised Reflective Process Record, in which you describe and comment on these processes; evaluate other students design outcomes, comparing key issues to your own; 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 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.

DESA2111
Design Studies 2
Credit points: 6 Teacher/Coordinator: Dr Chris L Smith Session: Semester 1 Classes: 6 hours per week (lecture and tutorial) Corequisites: DESA2001 Assumed knowledge: DESA1101 and 1102 Assessment: Exercises, quizzes, assignments and examinations. Failure in any single module equates to failure in the overall unit of study. Mode of delivery: Normal (lecture/lab/tutorial) Day Note: Department permission required for enrolment. Note: Progression to DESA3001 requires successful completion of all preceding Design Studies and Design Practice units.

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 of "passive" design and the environmental response of the building envelope with the aim of providing 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: Constructural 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; a deeper 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. Contact hours: 6 hours per week = 78 hours per semester; assessment preparation: 1 hour per week; class preparation: 26 hours per semester.
DESAA3001
Design Practice 3A
Credit points: 12
Teacher/Coordinator: Ms Kristine Sodersten
Session: Semester 2
Classes: 2
Prerequisites: DESA1101, DESA1102, DESA2111 and 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 an architecture jury and the technical design development of this design. Mode of delivery: Normal
Note: Department permission required for enrolment. Note: Students may incur materials costs in this unit.

The aim of this unit of study, together with Design Practice 3B, is to develop your architectural design abilities in all areas to a pre-professional level. Consistent with the aims of the course as a whole, you will be required to demonstrate the progressive use of the understanding you have gained in all your previous core units of study. In this unit, and also in Design Practice 3B, you will be engaged in architecture at the scale of the city. In both units of study the emphasis is on complex, medium scale design projects, resolved to increasingly high level of competence as you move from Design Practice 3A to 3B. As projects of this type are usually the result of collaboration between teams of architects and other design professionals, including consultants, there is an increasing emphasis placed upon collaborative working with consultants, within groups. You will also be required interpret multiple levels of complex interacting design issues, problems and opportunities. These will include site, context and programmatic issues, organisational, formal, spatial and compositional issues, and programming interpretation.

The technical design skill and knowledge you will be required to understand and demonstrate includes the following: the design of key aspects of the internal environment of a medium scale building and impact of design decisions upon aspects of the external environments; the construction and materiality of your designs particularly typical systems of construction for medium scale buildings and their adaptation for particular circumstances; sufficient structural understanding to develop architectural structural strategies for medium scale buildings.

To support this, you will be required to interpret precedent and case studies. You will also be introduced to the basic understanding of the legal and regulatory environment in which buildings are constructed. High skills in communicating your designs in verbal and in graphic and modelled form, 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 design; a high level of ability in communicating and expressing your design intent, concepts and proposals; your ability at a high level to interpret complex levels of 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;

DESAA3002
Design Practice 3B
Credit points: 12
Teacher/Coordinator: Ms Kristine Sodersten
Session: Semester 2
Classes: 2
Prerequisites: DESA1101, DESA1102, DESA2111 and 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 an architecture jury and the technical design development of this design. Mode of delivery: Normal
Note: Department permission required for enrolment. Note: Students may incur materials costs in this unit.

The aim of this unit of study, together with Design Practice 3A, is to develop your design abilities in all areas, both pragmatic and poetic, to a pre-professional architectural 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 at a high level. 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, and improve your own design; a high level of ability in communicating and expressing your design intent, concepts and proposals; your ability at a high level to interpret multiple levels of complex interacting design issues, problems and opportunities; your high level of understanding of required environmental, constructional and structural issues, and contextual, formal, spatial, organisational and programming issues, through embodying your knowledge in the proposal and the 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;

DESAA3441
Design Architecture Independent Study A
Credit points: 6
Session: Semester 1, Semester 2
Prerequisites: 48 credit points and WAM of at least 70.
Assessment: Report. Mode of delivery: Normal
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: S1 Intensive, S2 Intensive, 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 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: S1 Intensive, S2 Intensive, 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.

DESA3553
Design Architecture General Elective C
Credit points: 6 Session: S1 Intensive, S2 Intensive, 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.

DESA3554
Design Architecture General Elective D
Credit points: 6 Session: S1 Intensive, S2 Intensive, 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.
DESPE101
Introductory Urban Design and Planning

Credit points: 6 Teacher/Coordinator: Mr Martin Payne Session: Semester 2 Classes: 2 hours per week. 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 to 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. It 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.

DESPE201
Planning for the Public Domain

Credit points: 6 Teacher/Coordinator: Mr Martin Payne Session: Semester 1 Classes: 2 hours week. 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 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.

INFO2120
Database Systems 1

Credit points: 6 Session: Semester 1 Classes: (Lec 2hrs & Prac 2hrs) per week Prohibitions: INFO (2820 or 2005 or 2905) Assumed knowledge: Some exposure to programming and some familiarity with data model concepts such as taught in INFO1103 or INFO1003 or INF5100 or INFO1903 Assessment: In-course involvement, assignments, quizzes and written exam. Mode of delivery: Normal (lecture/lab/tutorial) Day

The proper management of data is essential for all data-centric applications and for effective decision making within organizations. This unit of study will introduce the basic concepts of database designs at the conceptual, logical and physical levels. Particular emphasis will be placed on introducing integrity constraints and the concept of data normalization which prevents data from being corrupted or duplicated in different parts of the database. This in turn helps in the data remaining consistent during its lifetime. Once a database design is in place, the emphasis shifts towards querying the data in order to extract useful information. The unit will introduce different query languages with a particular emphasis on SQL, which is industry standard. Other topics covered will include the important concept of transaction management, application development with a backend database, an overview of data warehousing and online analytic processing, and the use of XML as a data integration language.
11. Undergraduate degree regulations

This chapter contains the regulations governing undergraduate degrees in the Faculty of Architecture, Design and Planning.

The regulations in this chapter are arranged in the following order:

- Bachelor of Design in Architecture – BDesArch
- Bachelor of Design Computing – BDesComp

Bachelor of Design in Architecture

1. Requirements for the pass degree
   1.1 To qualify for the award of the pass degree, candidates must:
   1.1.1 successfully complete units of study prescribed by the Faculty giving credit for a total of 144 credit points; and
   1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. Streams
   2.1 The degree of Bachelor of Design in Architecture may also be awarded with the following streams:
      2.1.1 Allied Arts in Architecture; and
      2.1.2 Digital Architecture; and
      2.1.3 Urban Design and Planning.

3. Requirements for the honours degree
   3.1 To qualify for the award of the honours degree candidates must complete the honours requirements published in the Faculty Resolutions relating to the course.

Bachelor of Design in Architecture

Course Rules

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:
      2.1.1 102 credit points from core units of study;
      2.1.2 not less than 12 senior credit points from the units of study listed elsewhere in Table A;
      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 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 the faculty’s tables of graduate units of study.
   2.2 Candidates proceeding to the Master of Architecture are required to complete the designated prerequisite unit/s of study listed in Table A.

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.

4. Specially designated streams
   4.1 The faculty will provide at least 15 places for entry in each stream per annum.
   4.2 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.

5. Students may transfer between streams.

6. The requirements for award of the designated streams in the Bachelor of Design in Architecture are:
   6.1 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;
   6.2 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;
   6.3 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.

7. Requirements for the honours degree
   7.1 To qualify to enrol in the honours program a student shall:
      7.1.1 have qualified for the award of the pass degree; or
      7.1.2 be a pass graduate of the Bachelor of Design in Architecture;
      7.1.3 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
      7.1.4 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
      7.1.5 have an approved thesis topic and supervisor.
   7.1.6 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.
   7.1.7 The supervisor shall be a member of the full-time or fractional academic or research staff of the faculty.
   7.1.8 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.
   7.1.9 Except with the permission of the Dean, the student shall be of not more than four years standing for the pass degree.
   7.2 A student may not graduate with the pass degree while enrolled in the final year honours program except with the approval of the Dean.
   7.3 Students shall complete the requirements for the honours program full-time over two consecutive semesters.
   7.4 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.
   7.5 Students who fail or discontinue the honours program may not re-enrol in it, except with the approval of the Dean.
   7.6 A student undertaking a thesis shall:
      7.6.1 lodge with the faculty two copies of the thesis embodying the results of an original research investigation carried out by the student;
      7.6.2 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
      7.6.3 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 follow the examiners' 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 a Principal Examiner and two examiners. The Principal Examiner shall normally be the relevant course coordinator unless otherwise nominated by the Dean.

4.10.1 The Principal Examiner is appointed to oversee the examination process within the policies of the University for the assessment and examination of coursework.

4.10.2 The role of the Principal Examiner is to:

4.10.2.1 make available to each Honours student the criteria and assessment instrument for the examination of the Honours dissertation;

4.10.2.2 ensure the appointment of two examiners for each dissertation;

4.10.2.3 ensure that all examiners have been appropriately briefed on the assessment criteria. Where practical, new examiners will be provided with examples of dissertations, which have been assessed within various bands to help calibrate the assessment; and

4.10.2.4 review the examiners' reports and conduct a parity check. Parity is defined by the principle of equal marks for equivalent work.

4.10.3 The examiners shall report to the Principal Examiner.

4.11 The Dean shall, on the recommendation of the Principal Examiner, 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 despite reservations expressed by any examiner; and

4.11.2 the Principal Examiner accepts the recommendation of the supervisor that the degree be awarded subject to emendations.

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).

5.3 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.

5.4 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.

5.5 The testamur 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.

Faculty rules

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 candidates;

6.1.3 variations of candidature;

6.1.4 extension of candidature;

6.1.5 completion of candidature 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 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/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 candidate of a student who has not obtained permission to suspend will be deemed to have lapsed and the student must apply for re-examination 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 Faculty requires students to demonstrate satisfactory progress with their studies.
13.2 A student may be deemed not to have made satisfactory progress in any semester if the student:
13.2.1 fails to complete at least half the credit points in which he/she is enrolled; or
13.2.2 obtains a WAM of less than 50 based on units of study for a given semester; or
13.2.3 fails a unit of study for the second time; or
13.2.4 has an unsatisfactory attendance record; or
13.2.5 is unable to complete the degree in the maximum time permitted.
13.3 A student who fails to demonstrate satisfactory progress in any semester of enrolment may be considered to fall into the “Students at Risk” category and will be subject to the procedures of University policy on Identifying and Supporting Students at Risk.
13.4 A student who has been identified as being at risk on three consecutive instances will normally be called upon to show good cause why he or she should be allowed to re-enrol in the degree.
13.5 Where a student fails to show good cause why he or she should be allowed to re-enrol, the Dean may exclude the student from re-enrolment in the degree.

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.
14.4.1 A student's weighted average mark (WAM) shall be calculated using the formula:

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

14.4.1.1 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.
14.4.2 In the Faculty of Architecture, Design and Planning, a weighting of zero is given to junior units and one for senior 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 credentialed 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.
16.7 A student may apply to have credit granted on the basis of non-credentialed 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 BDES3010, BDES3011, BDES3012, BDES3020, BDES3023 and not less than 6 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 2010; and
17.1.2 persons who commenced their candidature prior to 1 January 2010 and who elect to proceed under these resolutions.
17.2 A candidate for the degree who commenced candidature prior to 1 January 2010 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 2013 or such later date as the faculty may, in special circumstances, approve.

Bachelor of Design Computing

1. Requirements for the pass degree
1.1 To qualify for the award of the pass degree, candidates must:
1.1.1 successfully complete units of study prescribed by the Faculty giving credit for a total of 144 credit points; and
1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. Requirements for the honours degree
2.1 To qualify for the award of the honours degree a candidate must complete the honours requirements published in the Faculty Resolutions relating to the course.

Bachelor of Design Computing

Course Rules

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;
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 at least 18 credit points from Arts, Economics and Business or Science electives, of which at least 6 credit points must be at 2000 level or higher;
2.1.2 at least 18 credit points from designated technical electives, of which at least 6 credit points must be at 2000 level or higher;
2.1.3 at least 84 credit points from the core units of study;
2.1.4 a minimum of 72 Senior credit points; and
2.1.5 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 the faculty's tables of graduate units, that will count to the requirements of 2.1.4 above.

2.2 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. 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; or
3.1.1.3 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

3.1.2 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

3.1.3 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 or discontinue 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;  
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 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  
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 which are to remain available within the University must be amended.

3.10 In assessing a candidate's performance for honours the Dean shall appoint a Principal Examiner and two examiners. The Principal Examiner shall normally be the relevant course coordinator unless otherwise nominated by the Dean.

3.10.1 The Principal Examiner is appointed to oversee the examination process within the policies of the University for the assessment and examination of coursework.

3.10.2 The role of the Principal Examiner is to:  
3.10.2.1 make available to each Honours student the criteria and assessment instrument for the examination of the Honours dissertation;  
3.10.2.2 ensure the appointment of two examiners for each dissertation;  
3.10.2.3 ensure that all examiners have been appropriately briefed on the assessment criteria. Where practical, new examiners will be provided with examples of dissertations, which have been assessed within various bands to help calibrate the assessment; and  
3.10.2.4 review the examiners' reports and conduct a parity check. Parity is defined by the principle of equal marks for equivalent work.

3.11 The examiners shall report to the Principal Examiner.

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 Principal Examiner 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.

Faculty rules

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.
13.4.1.1 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. Attendance requirements

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

14.2 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.

15. Credit transfer policy

15.1 Credit may be granted for previous credentialled learning, at the discretion of the Dean.

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

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

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

15.5 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.

15.6 The total amount of credit may not be greater than 96 credit points.

15.7 A student may apply to have credit granted on the basis of non-credentialled 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.

15.8 All students, notwithstanding any credit transfer, must complete DECO3100 and DECO3200 and not less than 12 additional senior credit points of units of study from Table B.

16. Transitional provisions

16.1 These resolutions shall apply to:

16.1.1 persons who commence their candidate after 1 January 2008; and

16.1.2 persons who commenced their candidate prior to 1 January 2008 and who elect to proceed under these resolutions.

16.2 A candidate for the degree who commenced candidate prior to 1 January 2008 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, 2016.

Combined degree

The following degree is offered jointly with the Faculty of Engineering and Information Technologies. The Faculty of Engineering and Information Technologies is the point of contact for all enquiries regarding admission, candidature and graduation.

Bachelor of Engineering/Bachelor of Design in Architecture

1. Requirements for the Bachelor of Engineering/Bachelor of Design in Architecture

1.1 To qualify for the award of the Bachelor of Engineering/Bachelor of Design in Architecture a student must:

1.1.1 complete successfully units of study giving credit for a total of 240 credit points; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. Specialisations, streams or majors

2.1 The award course, Bachelor of Engineering, will be awarded in the following streams:

2.1.1 Civil Engineering
3. Requirements for the honours degree
3.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the faculty resolutions relating to the course. Honours may be awarded in the Bachelor of Engineering and the Bachelor of Design in Architecture.

Bachelor of Engineering/Bachelor of Design in Architecture

Resolutions of the Faculty

Combined degree course rules

1. Cross-faculty management of combined award course
1.1 The Faculty of Engineering and Information Technologies is the primary faculty of management of the combined award course.
1.2 The Deans of the Faculty of Engineering and Information Technologies and the Faculty of Architecture, Design and Planning shall jointly exercise authority in any matter concerning the combined award course not otherwise dealt with in these resolutions.
1.3 Students will be subject to the resolutions in the Faculty of Engineering and Information Technologies Handbook and the Faculty of Architecture, Design and Planning Handbook.
1.4 Students will be subject to conditions on admission, stream requirements, enrolment restrictions, assessment, advanced standing, progression, academic honesty, degree completion times and transition arrangements as shown in the resolutions published in the Faculty of Engineering and Information Technologies Handbook for the Bachelor of Engineering degree.

2. Admission
2.1 An applicant may gain admission to the Bachelor of Engineering/Bachelor of Design in Architecture under the conditions set out in the University’s Admissions policy.
2.2 An international applicant must meet the English language requirements of an IELTS score of 7, with no band less than 6.

3. Units of study
3.1 The units of study which may be taken for the degrees of Bachelor of Engineering and Bachelor of Design in Architecture are set out in the Civil Engineering table of the Faculty of Engineering and Information Technologies Handbook, and Table A: Bachelor of Design in Architecture of the Faculty of Architecture, Design and Planning Handbook, together with:
3.1.1 designation as junior, intermediate, senior or honours units of study;
3.1.2 credit point values;
3.1.3 assumed knowledge, corequisites and prerequisites;
3.1.4 the semesters in which they are offered;
3.1.5 the units with which they are mutually exclusive; and
3.1.6 designation as core, stream or elective.

4. Requirements for the degrees of Bachelor of Engineering and Bachelor of Design in Architecture
4.1 To qualify for the award of the pass degrees of Bachelor of Engineering and Bachelor of Design in Architecture a student must complete successfully units of study giving credit for a total of 240 credit points and include:
4.2 From the Faculty of Engineering and Information Technologies
4.2.1 144 credit points from core units of study as described in the table of units for the degree specialisation Bachelor of Engineering (Civil); and
4.3 From the Faculty of Architecture, Design and Planning
4.3.1 90 credit points from core units of study as described in Table A for the Bachelor of Design in Architecture; and
4.3.2 6 credit points from the Master of Architecture prerequisite table.

5. Requirements for honours degrees
5.1 Bachelor of Engineering with Honours:
5.1.1 On completion of the requirements for the combined degrees a student may qualify for the award of the degree with honours in accordance with the requirements set out in the resolutions of the Faculty of Engineering and Information Technologies relating to the Bachelor of Engineering degree.
5.2 Bachelor of Design in Architecture
5.2.1 On completion of the combined degrees a student may be qualified to enrol in Honours in the bachelor of Design in Architecture.
5.2.2 A student may qualify for the award of the degree with honours by completion of an additional 48 credit points, in accordance with the requirements set out in the resolutions of the Faculty of Architecture, Design and Planning relating to the Bachelor of Design in Architecture degree.

6. Award of the Bachelor of Engineering and Bachelor of Design in Architecture
6.1 A student who completes the requirements for the Bachelor of Engineering and Bachelor of Design in Architecture degrees shall receive at graduation a separate testamur for each of the degrees.
6.2 A student may abandon the combined degrees of Bachelor of Engineering and Bachelor of Design in Architecture and elect to complete either the Bachelor of Engineering or Bachelor of Design in Architecture degree in accordance with the resolutions governing that degree.
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, Design and Planning, or adding to an existing one, please contact the Dean on 9351 5924.

Scholarships

The following tables summarise the scholarships that are known to be available to students in the Faculty of Architecture, Design and Planning, 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, Design and Planning 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 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 following. These organisations are often the best place to contact for enquiries regarding the terms, conditions and application dates.

Faculty of Architecture, Design and Planning

The Faculty of Architecture, Design and Planning handles applications for all faculty-funded awards. These include postgraduate coursework and research scholarships. Keep an eye on our website at: www.arch.usyd.edu.au for up-to-date information about available scholarships, application closing dates and application forms.

Graduates of the Bachelor or professional Master 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.

Visit the website at: www.usyd.edu.au/ro or phone 9351 3250.

Research Office

The Research Office has information on university and government funded scholarships for research students, as well as an excellent website containing links to a variety of private and industry scholarships available during the year.

Graduates of the Bachelor or professional Master 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.

Visit the website at: www.usyd.edu.au/ro or phone 9351 3250.

International Office

This is the best source of information for scholarships, particularly research scholarships, available to international students. Visit the website at: www.usyd.edu.au/lstudent/international/postgrad/costs/scholarships.shtml

Disclaimer

The terms, conditions, values and availability of all prizes and scholarships are subject to change without notice.
## 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 or professional Master 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>Australian Postgraduate Award</td>
<td>Awarded annually to Master or Doctor of Philosophy students. Applications to the University of Sydney Research Office close 30 October each year.</td>
<td>Approx $22,500</td>
<td>3</td>
<td>varies</td>
</tr>
<tr>
<td>University of Sydney Postgraduate Award</td>
<td>Awarded biannually to Master or Doctor of Philosophy students. Applications to the University of Sydney Research Office close 30 October and mid June each year.</td>
<td>Same as APA</td>
<td>3</td>
<td>varies</td>
</tr>
<tr>
<td>International Postgraduate Research Scholarship</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>University of Sydney International Research Scholarship</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>Ethel M Chettle Postgraduate Research Scholarship in Architecture</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 should be directed to the Faculty of Architecture, Design and Planning by 30 October in the year prior to commencement, if offered. Next likely offer 2010.</td>
<td>Same as APA</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>David Noel Murray Postgraduate Scholarship</td>
<td>Awarded as funds are available to a graduate of the Master of Architecture at the University of Sydney who intends to commence a Master or Doctor of Philosophy. Applications should be directed to the Faculty of Architecture, Design and Planning by 30 October in the year prior to commencement, if offered. Next likely offer 2010.</td>
<td>approx $15,000</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Faculty of Architecture, Design and Planning Indigenous Student Research Fellowship</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, Design and Planning close end of October each year. Next likely offer 2011.</td>
<td>Same as APA</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Jean &amp; Andrew Wong Research Scholarship</td>
<td>Awarded annually to a Doctor of Philosophy student in one of the areas of architectural science, environment, behaviour and society, or urban and regional planning and policy. Applications to the Faculty of Architecture, Design and Planning close 30 October each year.</td>
<td>$8,000</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Henry J Cowan Research Scholarship</td>
<td>Awarded annually to a Doctor of Philosophy student in one of the areas of architectural science, environment, behaviour and society, or urban and regional planning and policy. Applications to the Faculty of Architecture, Design and Planning close 30 October each year.</td>
<td>$5,000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>IPANDCO Scholarship in Environmental Sustainability</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>
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</tbody>
</table>

## Research supplementary scholarships and top-ups

<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>Faculty of Architecture, Design and Planning Supplementary Research Scholarship</td>
<td>Full-time research students in the PhD awarded an APA or fully funded UPA (not mid year UPA) or IPRS/IPA (not USIRS) in the Faculty of Architecture, Design and Planning and have no other 'top-up' will be awarded a &quot;top-up&quot; 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

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<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>Henry J Cowan Research Prize in Environment, Behaviour and Society</td>
<td>Awarded annually to a deserving student of the EBS research group, provided that the candidate's work is of sufficient merit. This scholarship is under review.</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>All degrees</td>
<td></td>
<td></td>
<td></td>
<td></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, Design and Planning.</td>
<td>HECS HELP</td>
<td>1</td>
<td>varies</td>
</tr>
<tr>
<td>Master of Architecture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bates Smart Prize for Architectural Design</td>
<td>Awarded annually to the best student in design in the Master of Architecture at the end of the fourth year. Portfolio and interview required. Applications to the Faculty of Architecture, Design and Planning 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 Master of Architecture who graduated within the first 2 years of the Architectural Design program with the best record in architectural design. No application required.</td>
<td>$2,600</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Illumination Design</td>
<td></td>
<td></td>
<td></td>
<td></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>Urban and Regional Planning</td>
<td></td>
<td></td>
<td></td>
<td></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, Design and Planning.</td>
<td>$3,500</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></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dean's List of Excellence in Academic Performance</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>Noel Chettle Memorial Art Prize</td>
<td>Up to five prizes awarded annually to students taking art classes in the Faculty of Architecture, Design and Planning.</td>
<td>Varies</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Master of Architecture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Science Prize (Graduate Architecture)</td>
<td>One cash prize each for each year of the Master of Architecture - to outstanding students in terms of their record in architectural science subjects.</td>
<td>$100</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>CHL Turner Memorial Prize in Architectural Design</td>
<td>Awarded to the Master of Architecture graduand who has demonstrated excellence in architectural design.</td>
<td>$230</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ethel M Chettle Prize in Architecture</td>
<td>Awarded annually to highly meritorious graduands of the Master of Architecture program at the University of Sydney. Must not be receiving or have ever received any other faculty scholarship or prize.</td>
<td>$1000</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>George McRae Prize in Architectural Construction</td>
<td>Awarded annually to the Master of Architecture graduand with best record in construction.</td>
<td>$330</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Henry J Cowan Prize in Architectural Science (Graduate Architecture)</td>
<td>One book prize for each year of the Master of Architecture - to outstanding students in terms of their record in architectural science subjects.</td>
<td>Book Prizes</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Mangot and Neville Gruzman Prize for Urban Design in Architecture</td>
<td>Awarded to an outstanding Master 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 nomination and portfolio.</td>
<td>$1,500</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ruskin Rowe Prize for Architecture</td>
<td>Awarded annually to the Master of Architecture graduand who demonstrates meritorious work throughout the degree.</td>
<td>$220</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sir John Sulman Prize</td>
<td>Awarded annually to the Master of Architecture graduand with best overall record in architectural design.</td>
<td>$640</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sunlord Perpetual Prize in Architectural Design</td>
<td>Awarded annually to the outstanding 4th year Master of Architecture architectural design student.</td>
<td>$1,800</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Architectural Design</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bluescope Lysaght Prize in Architectural Design</td>
<td>Awarded annually to the Master of Architecture (Architectural Design) graduand with the best record in architectural design subjects. This prize is under review.</td>
<td>$940</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Architectural History and Theory</td>
<td></td>
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</tr>
<tr>
<td>Henry J Cowan Prize in Architectural History and Theory</td>
<td>Awarded annually to the Master of Architectural History and Theory graduand with the best overall record across the degree. This prize is under review.</td>
<td>Book prize</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Audio and Acoustics</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 and 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></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 and 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. Certificate</td>
<td>1</td>
<td>1</td>
<td></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>
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<td>------------------------------------</td>
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<tr>
<td><strong>Building Services</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Architectural Science Prize</td>
<td>Awarded annually to the top student in each of the architectural science graduate programs (Audio and 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><strong>Design Computing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design Computing Prize (Graduate)</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 Prize (Graduate)</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><strong>Facilities Management</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australian Institute of Building NSW Chapter Medal in 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><strong>Heritage Conservation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allen Jack + Cottier Prize in Heritage Conservation</td>
<td>Awarded annually to the best Heritage Conservation student in the unit ARCH9075 New Design in Old Settings. This prize is under review.</td>
<td>$750</td>
<td>1</td>
<td>1</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>Illumination Design</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architectural Science Prize (Graduate)</td>
<td>Awarded annually to the top student in each of the architectural science graduate programs (Audio and 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 and 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>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>
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</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. This prize is under review.</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>Awarded annually to the Urban and Regional Planning student with the best record in the unit Urban Design and Development Control.</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, Design and Planning. It is best read prior to 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 for a local student is 18 credit points per semester. The minimum full-time enrolment for an international student is 24 credit points unless there is a compelling reason to reduce this. 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.

What is full-time? Do I have to be full-time?
A full-time enrolment is defined as at least 18 credit points in each semester for a local student or 24 credit points for an international student. 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 there is a compelling reason not to be, such as only needing a part-time enrolment 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 course is comprised of many units.

A 'unit' or 'unit of study' is an individual subject, comprised of lectures, seminars, tutorials etc.

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, ‘Sustainable Design program’ refers to the Graduate Certificate in Design Science (Sustainable Design), Graduate Diploma in Design Science (Sustainable Design) and Master of Design Science (Sustainable Design).

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, Design and Planning will make available draft timetable information at enrolment, on its website (www.arch.usyd.edu.au) and on noticeboards outside the Faculty of Architecture, Design and Planning 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, Design and Planning website or the Faculty of Architecture, Design and Planning 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 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 per cent 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:
- 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). If you studied at Sydney please just complete the form and be sure to include your student number.
- 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, Design and Planning 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, Design and Planning handbook is the place where all the rules for the completion of your degree are kept (see 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 handbook is available online at www.usyd.edu.au/handbooks; for sale at the Student Centre, Jane Foss Russell 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, Design and Planning 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, Design and Planning 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 4pm on Tuesdays and Thursdays.
Program-specific enrolment advice

Master of Architecture

The following table lists the recommended units for a student commencing full-time in the Master of Architecture in Semester One. Students commencing Semester Two should take the units suggested for Semester Two in this table.

Students have to complete each research studio during the two years and where possible we will allow you to take these in your preferred order. However, to keep the groups even, we may ask you to go into a group that differs from your first choice.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARC4001 Urban Architecture Research Stdo</td>
<td>12</td>
</tr>
<tr>
<td>MARC4002 Sustainable Research Stdo</td>
<td>12</td>
</tr>
<tr>
<td>MARC4003 Digital Arch. Research Stdo</td>
<td>12</td>
</tr>
<tr>
<td>MARC5101 Advanced Technologies 2</td>
<td>6</td>
</tr>
<tr>
<td>MARC4201 Modern Architectural History</td>
<td>6</td>
</tr>
<tr>
<td>MARC4001 or MARC4002 or MARC4003</td>
<td>12</td>
</tr>
<tr>
<td>MARC4102 Modern Architectural Theory</td>
<td>6</td>
</tr>
<tr>
<td>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>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9011 Audio Production</td>
<td>6</td>
</tr>
<tr>
<td>DESC9015 Digital Audio Systems</td>
<td>6</td>
</tr>
<tr>
<td>DESC9018 Architectural and Audio Acoustics</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9047 Strategic Facility Management</td>
<td>6</td>
</tr>
<tr>
<td>DESC9049 Financial and Managerial Accounting</td>
<td>6</td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
</tr>
<tr>
<td>Option or elective</td>
<td>6</td>
</tr>
<tr>
<td>DESC9048 Operational Facility Management</td>
<td>6</td>
</tr>
<tr>
<td>DESC9074 Project and Contract Management</td>
<td>6</td>
</tr>
<tr>
<td>DESC9183 Risk Management</td>
<td>6</td>
</tr>
<tr>
<td>Option or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

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>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9019 Building Design Practice 1</td>
<td>6</td>
</tr>
<tr>
<td>DESC9020 Building Design Practice 2</td>
<td>6</td>
</tr>
<tr>
<td>Core unit or elective</td>
<td>6</td>
</tr>
<tr>
<td>Core unit or elective</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9074 Project and Contract Management</td>
<td>6</td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
</tr>
<tr>
<td>Option or elective</td>
<td>6</td>
</tr>
<tr>
<td>Option or elective</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>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9004 Facility Management</td>
<td>6</td>
</tr>
<tr>
<td>DESC9005 Facility Management</td>
<td>6</td>
</tr>
<tr>
<td>Option</td>
<td>6</td>
</tr>
<tr>
<td>Option or elective</td>
<td>6</td>
</tr>
<tr>
<td>DESC9006 Facility Management</td>
<td>6</td>
</tr>
<tr>
<td>DESC9074 Project and Contract Management</td>
<td>6</td>
</tr>
<tr>
<td>DESC9183 Risk Management</td>
<td>6</td>
</tr>
<tr>
<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</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>DESC9166 Photo and Colorimetric Concepts and Mensuration</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9167 Vision and Visual Perception</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>DESC9164 Light Sources and Luminaires</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9168 The Visual Field and Human Factors</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td></td>
</tr>
</tbody>
</table>

Interaction Design and Electronic Arts
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. 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>Semester 1</td>
<td>IDEA9103 Virtual Worlds Laboratory</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>IDEA9104 Cyber Studio</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>IDEA9203 Time-Based Media Laboratory</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>IDEA9204 Screen Studio</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Option or elective</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</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>DESC9145 Sustaining the Built Environment</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9146 Climate, Comfort and Sustainable Design</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option or elective</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>DESC9147 Sustainable Building Design Principles</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>DESC9148 Sustainable Building Design Practice</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option or elective</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</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>ARCH9028 Conservation Methods and Practices</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>ARCH9075 New Design in Old Settings</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ARCH9081 Heritage Law and Policy</td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td>ARCH9074 History and Theory of Conservation</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td></td>
</tr>
</tbody>
</table>

Students commencing part-time from Semester One are advised to take the core units at a rate which suits their capacity to study.

Urban design
The following table lists the recommended units for a student commencing full-time in the graduate certificate, graduate diploma or masters 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</th>
<th>Unit of study</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>ARCH9001 Urban Design Studio A</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>ARCH9062 Urban Design: Ideas and Methods</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>ARCH9002 Urban Design Studio B</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>ARCH9063 Urban Morphology</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ARCH9080 Urban Ecology and Design</td>
<td>6</td>
</tr>
</tbody>
</table>

Master of Urban Design (Architectural and 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 choose two research studios and where possible we will allow you to take these in your preferred order. However, to keep the groups even, we may ask you to go into a group that differs from your first choice.

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 an architecture studio or Urban Design Studio A in Semester Two.
Master of Urban Design (Urban Design and 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.

### Enrolment guide for new postgraduates

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.

### 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.

### 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.

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### 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.
14. Graduate coursework degrees

Overview
This chapter details the graduate coursework degrees available within the Faculty of Architecture, Design and Planning, with the exception of the Master of Architecture professional degree, which is discussed in chapter 15.

Courses
The following postgraduate coursework degrees are offered by the Faculty of Architecture, Design and Planning at the graduate certificate, graduate diploma and master level:

- Design Science
- Facilities Management
- Heritage Conservation
- Interaction Design and Electronic Arts
- 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 expertise in that area. The units of study are listed in Table G, the table of graduate units. The following degrees offer streams:

Design Science
- Audio and Acoustics
- Building
- Building Services
- Facilities Management (secondary only)
- Illumination Design
- Sustainable Design
- Combination of any two Design Science streams

Master of Urban Design
- Available without specialisation
- Architectural and Urban Design
- Urban Design and Planning

Master of Urban and Regional Planning
- Available without specialisation
- Heritage Conservation
- Housing Studies

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 Urban Design must hold a professional degree in architecture or a degree in landscape architecture, urban planning or similar, related field, and submit a portfolio of work indicating relevant design interests and capacities to the satisfaction of the stream coordinator. 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's 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's degree you should apply for the master's program. However, the postgraduate degrees are articulated, allowing easy progression (or regression) from the graduate certificate to the graduate diploma or master's 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's degree but decides not to continue may be able to graduate with a graduate diploma or graduate certificate.

Master's degrees requiring 72 and 96 credit points
Most of the master's degrees listed require 72 credit points, or 1.5 years of full-time study. However, the following master’s degrees require 96 credit points, or 2 years of full-time study, and allow the combination of two programs:

- Master of Urban Design (Architectural and Urban Design)
- Master of Urban Design (Urban Design and Planning)
- Master of Design Science (combination of any two Design Science streams)
- Master of Commerce and Master of Facilities Management
- Master of Transport Planning and Master of Urban and Regional Planning.

The same principles of articulation apply; a candidate enrolled in a 72 credit point master's can upgrade to an appropriate 96 credit point master’s, and vice-versa. However, students intending to complete a 96 credit point master's degree are advised to plan this carefully from the beginning of their candidature to ensure they can complete all requirements in a timely fashion. Candidates should be clear that the Master of Urban Design and Master of Design Science with two streams lead to the award of one master's degree only. The combined degrees of Commerce/Facilities Management or Transport Planning/Urban and Regional Planning each lead to the award of two separate master's degrees.

Honours
By completing the dissertation, master's degree students may qualify for the award of the degree with honours. The dissertation shall be completed as part of the overall 72 credit point requirement 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's degree with honours, or who have a bachelor degree with honours in a relevant area, are encouraged to consider a research degree (see chapter 19). 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. Candidates should be clear that the Master of Urban Design with two streams and Master of Design Science with two streams lead to the award of one masters degree only. The combined degrees of Commerce/Facilities Management or Transport Planning/Urban and Regional Planning each lead to the award of two separate master’s degrees. Candidates who attempt an honours degree and pass the dissertation with a result of Pass or Credit will be awarded the pass degree.

Degrees and specialisations
Design Science
Audio and Acoustics
The Audio and Acoustics program is unique in Australia and one of only a few comparable programs in the world. The program offers a balance of studio-based production subjects and theoretical and investigative subjects in acoustics and technical audio. It aims to extend students' existing skills to a high level of proficiency and professionalism in the various disciplines that contribute to the audio and acoustics fields. 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.

The sound studios consist of a recording studio and a 5.1 format production studio. 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 and 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 activity and have the opportunity to do research projects of their own. The program is currently developing in the areas of sound reinforcement system design, interactive sound design, spatial audio, psychoacoustics and advanced measurement methods.

Building Services
This program aims to accelerate the acquisition of knowledge and skills for professionals currently employed in the building services industry, to provide continuing professional development for those in the related fields of architecture and the building industry or to provide vocational training for those intending to transfer into this industry.

The core units of study in this program are listed in Table G. There is flexibility to study areas of specific interest to each student. Options are available in other related programs offered by the faculty (eg Building Services, Facilities Management, Illumination Design, Sustainable Design) 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
The Facilities Management stream is available in the Master of Design Science as a secondary stream. See Facilities Management entry below for details of this program which is offered primarily under its own named award courses.

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 (eg 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.

Facilities Management
Every organisation uses buildings of some sort and their occupation incurs recurrent costs for rent, rates, cleaning, energy consumption, water, and security, amounting in time to more than the capital cost of creating the buildings in the first place. Facility Managers have the responsibility of ensuring that their employers’ premises assist them in fulfilling their core business objectives, retaining their capital value through appropriate maintenance, as well as obtaining value from their day-to-day operating costs. This program recognises that the facilities manager requires an understanding of business finance and management information as well as the technical areas of buildings per se. Emphasis is placed on understanding the strategic objectives of the organisation, and the way that facilities contribute towards their realisation. You will be encouraged to direct your learning to your working situation where appropriate, through your assignments.

The Facilities Management program may be completed as a Graduate Certificate, Graduate Diploma or Master of Facilities Management or as a secondary stream in the Master of Design Science (Master of Design Science (primary stream and 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, Design and Planning. 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 or more areas of business practice. The course takes two years full-time.

Interested students should make enquiries with the Faculty of Economics and Business.

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.

Interaction Design and Electronic Arts

The Interaction Design and Electronic Arts (IDEA) program is the first of its kind in Australia to prepare students in the skills and knowledge of interaction possibilities offered by modern computing technologies.

As technology becomes a greater part of our daily lives, there is a growing need for products, systems and devices that are functional, pleasurable and innovative to fit the needs of the user. The IDEA degree seeks to teach students the possibilities of such technologies and new applications and explore their relation to a number of emerging fields such as biotechnology, sustainability, social networking, global health and cultural diversity.

The course focuses on four distinct areas:

Installation
Experimental, responsive environments for performance and direct engagement.

Device
Smart artefacts and wearable electronic fashion that sense and inform their wearers; computing embedded in smart everyday objects.

Screen
From small, mobile devices to architectural media facades.

Virtual
Online immersive cyber worlds and games.

Students will explore how art, technology and culture can be merged in inspiring forms of interactive media and electronic art. Each design studio unit endeavours to develop the student's conceptual design abilities as well as augment one's technical skills, within the framework of a highly creative, research-based and human-centred design process. The program aims to collaborate with local industry partners in interaction design, offering students to experience and engage with commercial clients or engage in competitive internship opportunities.

Urban Design

Urban design emerged as a distinct field in Australia about 20 years ago in response to a need for better design skills at urban scales: streets, street-blocks, town centres, city districts, new suburbs, cross-city infrastructure, etc. Since that time, urban design has expanded enormously. Today, design professionals with good urban design knowledge and skills are much sought after by private consulting firms, development organisations and local and state governments—where they are required to prepare and evaluate urban design policies, strategies, frameworks, guidelines, concepts, master plans and programs, as well as be involved in the more detailed design and management of urban spaces.

Urban design knowledge and skills also assist in designing for specific sites by providing a better appreciation of urban structure and context. They are crucial for good development evaluation, and enhance perspectives on urban conservation: and there is a small but growing demand for urban design educators and media commentators. The program aims to collaborate with local industry partners in interaction design, offering students to experience and engage with commercial clients or engage in competitive internship opportunities.

Graduates of the program occupy important urban design positions in all of the above-mentioned employment sectors in cities across Asia, Europe, North and South America, Australia and New Zealand.

Admission requirements

To apply, you should hold a professional degree in architecture, landscape architecture, urban planning or a closely-related design area and submit a folio of work with your application. Your portfolio should show several examples of design and design-related work completed as part of your university studies and/or samples of work from professional or equivalent experience (preferably both). Further, your particular role in producing each item of submitted work should be made clear. The portfolio must be on paper only, consist of approximately 10 A4 or A3 sheets, and include drawings and other relevant items of illustration such as photographs of models, with supporting explanation.

Master of Urban Design (Architectural and Urban Design)

This Master of Urban Design program develops specialist knowledge and skills in both urban and architectural design. It compresses the essentials of two studio-based graduate areas into two years (four semesters) of full-time study. This 96 credit point degree, combining expertise in urban design and enhanced architectural design abilities is unique, and may hold special appeal to international students.

Admission requirements

To apply, you should hold a professional degree in architecture and submit a folio of your work with your application. Your portfolio should show several examples of design and design-related work completed as part of your university studies and/or samples of work from professional or equivalent experience (preferably both). Further, your particular role in producing each item of submitted work should be made clear. The portfolio must be on paper only, consist of approximately 10 A4 or A3 sheets, and include drawings and other relevant items of illustration such as photographs of models, with supporting explanation.

Master of Urban Design (Urban and Planning)

This Master of Urban Design program develops specialist knowledge and skills in both urban design and planning. It compresses the essentials of two graduate streams into two years (four semesters) of full-time study. This 96 credit point degree combining expertise in urban design, and urban and regional planning and policy is unique, and may hold special appeal to international students. (For more details the two areas, see information on the Master of Urban Design, and Master of Urban and Regional Planning programs.)

Admission requirements

To apply, you should hold a professional degree in architecture, landscape architecture, urban planning or a closely related design area and submit a folio of your with your application. Your portfolio should show several examples of design and design-related work completed as part of your university studies and/or samples of work from professional or equivalent experience (preferably both). Further, your particular role in producing each item of submitted work should be made clear. The portfolio must be on paper only, consist of approximately 10 A4 or A3 sheets, and include drawings and other relevant items of illustration such as photographs of models, with supporting explanation.

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, Design and Planning. 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 or more areas of urban, regional and transport planning. Students will be prepared for careers in local government traffic and planning, 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.

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’s 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 Urban Design (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.

Core units completed in excess of the minimum requirements may count as optional or elective units. Optional units completed in excess of the minimum requirements may count as electives.

Time limits

At a maximum, you have 10 enrolled semesters within eight 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, Design and Planning 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 and the completion of tests or tasks to demonstrate that competency if required.

Study in other faculties

Students in the graduate diploma and master’s 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

<table>
<thead>
<tr>
<th>Course/stream</th>
<th>Graduate Certificate</th>
<th>Graduate Diploma</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min. Core</td>
<td>Min. Options</td>
<td>Max. Elective</td>
</tr>
<tr>
<td>Certificate, Diploma, Master of Design Science</td>
<td>Audio and Acoustics</td>
<td>18</td>
<td>6</td>
</tr>
<tr>
<td>Building*</td>
<td>24</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Building Services</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>
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<td>-</td>
<td>-</td>
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<tr>
<td>Illumination Design</td>
<td>24</td>
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<tr>
<td>Sustainable Design</td>
<td>18</td>
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<td>0</td>
</tr>
<tr>
<td>Certificate, Diploma, Master of Facilities Management</td>
<td>24</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Certificate, Diploma, Master of Heritage Conservation</td>
<td>18</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Certificate, Diploma, Master of Interaction Design and Electronic Arts</td>
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<td>-</td>
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<tr>
<td>Certificate, Diploma, Masters in Urban Design</td>
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<td>-</td>
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<tr>
<td>Urban Design and Planning</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Certificate, Diploma, Masters in Urban and Regional Planning</td>
<td>18</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Heritage Conservation</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Housing Studies</td>
<td>-</td>
<td>-</td>
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</tr>
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</table>

* Last admission Semester Two, 2008. ^ Facilities Management is available only as a secondary stream in the Master of Design Science.

### Table G - Table of graduate 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>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9031 Research Report</td>
<td>12</td>
<td>Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. Available to Masters students only.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH9061 East Asian Arch &amp; Urbanism (Classical)</td>
<td>6</td>
<td>N DESA2203, ARCH6202</td>
<td>This unit is offered in odd numbered years only.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH9064 East Asian Arch &amp; Urbanism (Modern)</td>
<td>6</td>
<td>N ARCH9054</td>
<td>This unit is offered in even numbered years only.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH9073 Architecture Globalisation Urbanisation</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DESA8901 Graduate Art Studio (Graphic Design)</td>
<td>6</td>
<td>N AWS2016</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>

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.

**Elective units**

### Elective 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>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9031 Research Report</td>
<td>12</td>
<td>Note: Department permission required for enrolment. Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. Available to Masters students only.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH9061 East Asian Arch &amp; Urbanism (Classical)</td>
<td>6</td>
<td>N DESA2203, ARCH6202</td>
<td>This unit is offered in odd numbered years only.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH9064 East Asian Arch &amp; Urbanism (Modern)</td>
<td>6</td>
<td>N ARCH9054</td>
<td>This unit is offered in even numbered years only.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH9073 Architecture Globalisation Urbanisation</td>
<td>6</td>
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<td></td>
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<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DESA8901 Graduate Art Studio (Graphic Design)</td>
<td>6</td>
<td>N AWS2016</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
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<td>Semester 1 Semester 2</td>
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</table>
### 14. Graduate coursework degrees

<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>DESA9002 Graduate Art Studio (Graphic Design)</td>
<td>6</td>
<td>P DESA9001 or AWS2016</td>
<td></td>
<td></td>
<td></td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>This unit of study is not available in 2010</td>
<td></td>
<td>Note: Department permission required for enrolment</td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DESA9003 Graduate Art Studio (Photography)</td>
<td>6</td>
<td>N AWS20203</td>
<td></td>
<td></td>
<td></td>
<td>S1 Semester 1</td>
</tr>
<tr>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
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<td>Semester 2</td>
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<tr>
<td>DESA9004 Art: Materials, Process and Contexts</td>
<td>6</td>
<td>N AWS20203</td>
<td></td>
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<td>S2 Intensive</td>
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<tr>
<td>This unit of study is not available in 2010</td>
<td></td>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
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<td>Semester 2</td>
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<tr>
<td>DESA9005 Graduate Art Workshop</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
<td></td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>DESA9006 Ceramics 2</td>
<td>6</td>
<td>P AWSS (2010 OR 2011) or equivalent</td>
<td>N AWS202012</td>
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<td></td>
<td>S1 Semester 1</td>
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<tr>
<td>Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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>DESA9007 Advanced Art</td>
<td>6</td>
<td>P Credit or better in a previous relevant art workshop</td>
<td>Note: Department permission required for enrolment</td>
<td>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>S1 Intensive</td>
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<tr>
<td>This unit of study is not available in 2010</td>
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<tr>
<td>DESA9008 Object Design</td>
<td>6</td>
<td>N AWS20200</td>
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<td>S1 Semester 1</td>
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<tr>
<td>Note: Department permission required for enrolment</td>
<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
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<tr>
<td>DESA9009 Public Art</td>
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<td>N AWS20201</td>
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<td>S1 Semester 1</td>
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<td>Note: Department permission required for enrolment</td>
<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
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<td>DESA9101 Painting</td>
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<td>N AWS20202</td>
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<td>S1 Semester 1</td>
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<tr>
<td>Note: Department permission required for enrolment</td>
<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>DESA9111 Photography 2</td>
<td>6</td>
<td>P AWS20203 or DESA9003</td>
<td>N AWS20204</td>
<td></td>
<td></td>
<td>S1 Semester 1</td>
</tr>
<tr>
<td>Note: Department permission required for enrolment</td>
<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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>DESA912 Screen Printing on Paper</td>
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<td>N AWS20205</td>
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<tr>
<td>Note: Department permission required for enrolment</td>
<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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>DESA913 Sculpture</td>
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<td>N AWS20207</td>
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<td>S1 Semester 1</td>
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<td>Note: Department permission required for enrolment</td>
<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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>DESA914 Ceramics (Handbuilding)</td>
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<td>N AWS20210</td>
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<td>S1 Semester 1</td>
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<td>Note: Department permission required for enrolment</td>
<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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>DESA915 Site Specific Art</td>
<td>6</td>
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<td>Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DESA917 Computer Simulations in Buildings 1</td>
<td>6</td>
<td>A Undergraduate Architecture, Design Computing or Engineering degree</td>
<td></td>
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<td>Semester 1</td>
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<tr>
<td>DESA917 Computer Simulations in Buildings 2</td>
<td>6</td>
<td>A Undergraduate Architecture, Design Computing or Engineering degree</td>
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<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DESA918 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. Credit will not be granted for this unit of study.</td>
<td></td>
<td>S1 Semester 1</td>
</tr>
<tr>
<td>DESA918 Graduate Internship</td>
<td>6</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.</td>
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<td>S1 Semester 2</td>
</tr>
<tr>
<td>DESA999 General Elective 1</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>S1 Semester 2</td>
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</tbody>
</table>

**General elective units**
### 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>
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<tbody>
<tr>
<td>ARCH9040 General Elective 2</td>
<td>6</td>
<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.</td>
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<td></td>
<td></td>
<td>S1 Intensive S2 Intensive Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH9042 General Elective 4</td>
<td>4</td>
<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.</td>
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<td>Semester 1 Semester 2</td>
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<tr>
<td>ARCH9044 General Elective 6</td>
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<td>Semester 1 Semester 2</td>
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<tr>
<td>ARCH9058 General Elective 7</td>
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<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.</td>
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### 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 Credit points and a WAM of at least 75
- P 48 credit points and a WAM of at least 75
- C ARCH9046, ARCH9031, 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.
- Semester 1 Semester 2

**ARCH9046 Dissertation 2**

- 12 C ARCH9046
- Semester 1 Semester 2

### Research student unit

This unit is primarily intended for students in research degrees (PhD, MPhil). Other students are welcome but should seek advice prior to enrolment.

**ARCF9001 Modes of Inquiry: Research & Scholarship**

- 6 Permission required unless enrolled in a research degree. This unit is a probationary requirement for all MPhil and PhD students in the Faculty of Architecture, Design and Planning.
- Semester 1 Semester 2
### Audio and Acoustics Stream

#### Core units

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
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### Building Stream

Last admission Semester 2, 2008.

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### Building Services Stream

#### Core units

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#### Optional units

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<td>DESC9112 Service Provision</td>
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<tr>
<td>DESC9146 Climate, Comfort and Sustainable Design</td>
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<td>Enrolment numbers limited by teaching resources. First preference to Sustainable Design students. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.</td>
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<td>DESC9148 Sustainable Building Design Practice</td>
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<td>DESC9164 Light Sources and Luminaires</td>
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<td>This unit of study is offered in odd numbered years only</td>
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<tr>
<td>DESC9166 Photo &amp; Colorimetric Concepts &amp; Mensurtn</td>
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<td>DESC9167 Vision and Visual Perception</td>
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### Design Computing Stream

Last admission to this degree was semester 2, 2008.

#### Core units

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<tr>
<td>IDEA9104 Cyber Studio</td>
<td>12</td>
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<tr>
<td>IDEA9105 Human Computer Interaction</td>
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<tr>
<td>IDEA9106 Design Thinking</td>
<td>6</td>
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<tr>
<td>IDEA9203 Time-Based Media Laboratory</td>
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<tr>
<td>IDEA9204 Screen Studio</td>
<td>12</td>
<td>Semester 2</td>
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**IDEA9103 Virtual Worlds Laboratory**

This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

**IDEA9104 Cyber Studio**

This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

**IDEA9105 Human Computer Interaction**

**IDEA9106 Design Thinking**

**IDEA9203 Time-Based Media Laboratory**

This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

**IDEA9204 Screen Studio**

This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

#### Optional units

Optional units for the Design Computing stream include any core unit from the Audio & Acoustics or Digital Media streams.

### Digital Media Stream

Last admission to this degree semester 2, 2008.

#### Core units

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<td>IDEA9204 Screen Studio</td>
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<tr>
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**IDEA9103 Virtual Worlds Laboratory**

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**IDEA9104 Cyber Studio**

This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

**IDEA9203 Time-Based Media Laboratory**

This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

**IDEA9204 Screen Studio**

This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

**IDEA9205 Art, Technology and Culture**

**IDEA9106 Design Thinking**

**DESC9117 Sound Design for New Media**

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.

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### 14. Graduate coursework degrees
### Illumination Design Stream

#### Core units

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<td></td>
<td>S1 Late Int</td>
</tr>
<tr>
<td>DESC9074</td>
<td>Project and Contract Management</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>S2 Intensive</td>
</tr>
<tr>
<td>DESC9111</td>
<td>Energy Management in Buildings</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>S2 Intensive</td>
</tr>
<tr>
<td>DESC9151</td>
<td>Introduction to Building Services</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>DESC9152</td>
<td>Lighting Design Masterclass</td>
<td>6</td>
<td></td>
<td>Lighting design fundamentals</td>
<td>This unit of study is offered in even numbered years only</td>
<td>S1 Late Int</td>
</tr>
<tr>
<td>DESC9153</td>
<td>Graduate Internship</td>
<td>6</td>
<td></td>
<td>Lighting design fundamentals</td>
<td>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. Credit will not be granted for this unit of study.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>DESC9154</td>
<td>Lighting Design Software</td>
<td>6</td>
<td></td>
<td>Lighting design fundamentals</td>
<td>This unit of study is offered in odd numbered years only</td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>DESC9160</td>
<td>Lighting Photography</td>
<td>6</td>
<td></td>
<td>This unit of study is offered in odd numbered years only. Available to Graduate Diploma and Masters students only.</td>
<td>S1 Late Int</td>
<td></td>
</tr>
<tr>
<td>DESC9161</td>
<td>Theatre and Performance Lighting</td>
<td>6</td>
<td></td>
<td>fundamentals of lighting</td>
<td>This unit of study is offered in odd numbered years only. Available to Graduate Diploma and Masters students only.</td>
<td>S2 Late Int</td>
</tr>
<tr>
<td>DESC9170</td>
<td>Services Control Systems</td>
<td>6</td>
<td></td>
<td>DESC9067</td>
<td>DESC9077</td>
<td>S2 Intensive</td>
</tr>
</tbody>
</table>

#### Notes
- Note: Department permission required for enrolment
- This unit of study is offered in even numbered years only.
- This unit of study is offered in odd numbered years only.
- Available to Graduate Diploma and Masters students only.
## Unit of study

### Sustainable Design Stream

#### Core units

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credit points</th>
<th>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9145</td>
<td>Sustaining the Built Environment</td>
<td>6</td>
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<td>S1 Intensive</td>
</tr>
<tr>
<td>DESC9146</td>
<td>Climate, Comfort and Sustainable Design</td>
<td>6</td>
<td></td>
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<td>S1 Late Int</td>
</tr>
<tr>
<td>DESC9147</td>
<td>Sustainable Building Design Principles</td>
<td>6</td>
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<td>S2 Intensive</td>
</tr>
<tr>
<td>DESC9148</td>
<td>Sustainable Building Design Practice</td>
<td>6</td>
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<td></td>
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<td>S2 Late Int</td>
</tr>
</tbody>
</table>

#### Optional units

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credit points</th>
<th>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>DESC9015</td>
<td>Building Energy Analysis</td>
<td>6</td>
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<td>S2 Late Int</td>
</tr>
<tr>
<td>DESC9111</td>
<td>Energy Management in Buildings</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>S2 Intensive</td>
</tr>
<tr>
<td>DESC9149</td>
<td>Sustainable Design Workshop</td>
<td>6</td>
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<td>Semester 1</td>
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<tr>
<td>DESC9150</td>
<td>Sustainability Research Project</td>
<td>6</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>DESC9151</td>
<td>Introduction to Building Services</td>
<td>6</td>
<td></td>
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<td>S1 Intensive</td>
</tr>
<tr>
<td>DESC9165</td>
<td>Lighting Design</td>
<td>12</td>
<td>N DESC9064</td>
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<td>S1 Intensive</td>
</tr>
<tr>
<td>DESC9169</td>
<td>Daylight in Buildings</td>
<td>6</td>
<td></td>
<td>N DESC9106</td>
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<td></td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>PLAN9048</td>
<td>Environmental Design and Planning</td>
<td>6</td>
<td></td>
<td></td>
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<td>S2 Late Int</td>
</tr>
</tbody>
</table>

## Unit of study

### Certificate, Diploma and Master of Facilities Management

The following units apply to the Graduate Certificate, Diploma and Master of Design Science (Facilities Management) as well as the Graduate Certificate, Diploma and Master of Facilities Management.

#### Core units

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credit points</th>
<th>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9047</td>
<td>Strategic Facility Management</td>
<td>6</td>
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<td>S1 Intensive</td>
</tr>
<tr>
<td>DESC9048</td>
<td>Operational Facility Management</td>
<td>6</td>
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<td>S2 Intensive</td>
</tr>
<tr>
<td>DESC9049</td>
<td>Financial Decision Making</td>
<td>6</td>
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<td>S1 Late Int</td>
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<tr>
<td>DESC9071</td>
<td>Organisational Analysis and Behaviour</td>
<td>6</td>
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<td>S1 Late Int</td>
</tr>
<tr>
<td>DESC9074</td>
<td>Project and Contract Management</td>
<td>6</td>
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<td>S2 Intensive</td>
</tr>
<tr>
<td>DESC9183</td>
<td>Risk Management</td>
<td>6</td>
<td>A DESC9047</td>
<td></td>
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<td>S2 Intensive</td>
</tr>
</tbody>
</table>

#### Optional units

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credit points</th>
<th>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9028</td>
<td>Conservation Methods and Practices</td>
<td>12</td>
<td></td>
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<td>Semester 1</td>
</tr>
<tr>
<td>DESC9014</td>
<td>Building Construction Technology</td>
<td>6</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>DESC9111</td>
<td>Energy Management in Buildings</td>
<td>6</td>
<td></td>
<td></td>
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<td></td>
<td>S2 Intensive</td>
</tr>
<tr>
<td>DESC9112</td>
<td>Service Provision</td>
<td>6</td>
<td>P DESC9048</td>
<td></td>
<td></td>
<td></td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>DESC9113</td>
<td>Computer Aided Facility Management</td>
<td>6</td>
<td>A DESC9047 and DESC9048</td>
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<td></td>
<td></td>
<td>S2 Intensive</td>
</tr>
<tr>
<td>DESC9151</td>
<td>Introduction to Building Services</td>
<td>6</td>
<td></td>
<td></td>
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<td>S1 Intensive</td>
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</tbody>
</table>
### Certificate, Diploma and Master of Heritage Conservation

#### 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>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9028 Conservation Methods and Practices</td>
<td>12</td>
<td></td>
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<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9075 New Design in Old Settings</td>
<td>6</td>
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<td>Semester 1</td>
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<tr>
<td>ARCH9081 Heritage Law and Policy</td>
<td>6</td>
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<tr>
<td>ARCH9074 History and Theory of Conservation</td>
<td>6</td>
<td>N ARCH9003</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>ARCH9031 Research Report</td>
<td>12</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
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</tbody>
</table>

Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. Available to Masters students only.

#### Optional 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>
</tr>
</thead>
<tbody>
<tr>
<td>MARC4201 Modern Architectural History</td>
<td>6</td>
<td>N ARCH4102</td>
<td></td>
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<td>Semester 1</td>
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<tr>
<td>ARCH9082 Conservation of Traditional Materials</td>
<td>6</td>
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<td></td>
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<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH9084 Conservation Design Studio</td>
<td>6</td>
<td>A BArch, MArch (for students pursuing the design stream of this elective)</td>
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<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C ARCH9075 (for student with non-design undergraduate degree)</td>
<td></td>
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</tbody>
</table>

Enrolment numbers limited by teaching resources. If you attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Master of Heritage Conservation students.

### Certificate, Diploma and Master of Interaction Design and Electronic Arts

Masters students should complete two studios and then the Graduation Studio.

#### 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>
</tr>
</thead>
<tbody>
<tr>
<td>IDEA9101 Experimental Interfaces Laboratory</td>
<td>6</td>
<td>C IDEA9102</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>This unit of study is not available in 2010</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>IDEA9102 Installation Studio</td>
<td>12</td>
<td>C IDEA9101</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>This unit of study is not available in 2010</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>IDEA9103 Virtual Worlds Laboratory</td>
<td>6</td>
<td>C IDEA9104</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>IDEA9104 Cyber Studio</td>
<td>12</td>
<td>C IDEA9103</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>IDEA9201 Physical Computing Laboratory</td>
<td>6</td>
<td>C IDEA9202</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

This unit of study is not available in 2010

This unit is offered in odd numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.
## 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><strong>IDEA9202</strong> Device Studio</td>
<td>12</td>
<td>C IDEA9201</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>This unit of study is not available in 2010</td>
<td></td>
<td>This unit is offered in odd numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.</td>
<td>Semester 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>IDEA9203</strong> Time-Based Media Laboratory</td>
<td>6</td>
<td>C IDEA9204</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.</td>
<td>Semester 2</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>IDEA9204</strong> Screen Studio</td>
<td>12</td>
<td>C IDEA9203</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.</td>
<td>Semester 2</td>
<td></td>
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</tr>
<tr>
<td><strong>IDEA9301</strong> Graduation Studio</td>
<td>12</td>
<td>P 48 credit points including 24 credit points from IDEA(9102, 9104, 9202 or 9204)</td>
<td>C IDEA (9101, 9103, 9201 or 9203)</td>
<td>Enrollment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. MIDEA, MDigital Media and MDesign Computing students only. Students may incur materials costs in this unit.</td>
<td>Semester 1 Semester 2</td>
<td></td>
</tr>
<tr>
<td><strong>IDEA9311</strong> Research Internship</td>
<td>12</td>
<td>P 48 credit points including 24 credit points from IDEA(9102, 9104, 9202 or 9204) and a WAM of at least 75</td>
<td>Note: Department permission required for enrolment Students must have WAM of at least 75. Students must seek permission to enrol from the proposed academic supervisor and the M.IDEA program coordinator before the start of the teaching semester. Internship must end before end of semester. Credit will not be granted for this unit of study.</td>
<td>Semester 1 Semester 2</td>
<td></td>
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</tr>
</tbody>
</table>

### Honours units

Candidates for the MIDEA with honours should complete two studios and both the following 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>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IDEA9302</strong> IDEA Research Project</td>
<td>12</td>
<td>P 48 credit points including 24 credit points from IDEA(9102, 9104, 9202 or 9204) and a WAM of at least 75</td>
<td>C IDEA9303</td>
<td>Note: Department permission required for enrolment IDEA9302 Research Project and IDEA9303 IDEA Dissertation are required for the award of the Master Interaction Design and Electronic Arts with honours. The two units are not assessed separately, as a single result is given for the combined dissertation and project. Admission in this unit is merit-based and requires a minimum Weighted Average Mark (WAM) of at least 75. MIDEA students only.</td>
<td>Semester 1 Semester 2</td>
<td></td>
</tr>
<tr>
<td><strong>IDEA9303</strong> IDEA Dissertation</td>
<td>12</td>
<td>C IDEA9302 IDEA Research Project and IDEA9303 IDEA Dissertation are required for the award of the Master Interaction Design and Electronic Arts with honours. The two units are not assessed separately, as a single result is given for the combined dissertation and project. Admission to this unit is merit based and requires a Weighted Average Mark (WAM) of at least 75.</td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
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</table>

### Optional 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>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IDEA9105</strong> Human Computer Interaction</td>
<td>6</td>
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</tr>
<tr>
<td><strong>IDEA9106</strong> Design Thinking</td>
<td>6</td>
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</tr>
<tr>
<td><strong>IDEA9205</strong> Art, Technology and Culture</td>
<td>6</td>
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<td>Semester 2</td>
</tr>
</tbody>
</table>

## Certificate, Diploma and Master of Urban Design

Without specialisation

### Core units

Graduate Certificate Students must take ARCH9001; Graduate Diploma Students must take ARCH9001 and ARCH9002

<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>ARCH9001</strong> Urban Design Studio A</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MultDes(UrbDes &amp; Plan) or MultDes(Arch &amp; UrbDes). 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>
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</tr>
<tr>
<td><strong>ARCH9002</strong> Urban Design - Ideas and Methods</td>
<td>6</td>
<td>A Some prior study of architectural, urban or planning history.</td>
<td>N ARCH9002</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td><strong>ARCH9002</strong> Urban Design Studio B</td>
<td>12</td>
<td>P ARCH9001</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td><strong>ARCH9003</strong> Urban Morphology</td>
<td>6</td>
<td>A Some prior study of architectural, urban or planning history.</td>
<td>N ARCH9002</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td><strong>ARCH9008</strong> Urban Ecology and Design</td>
<td>6</td>
<td>A Undergraduate studio experience in design</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

Note: Department permission required for enrolment. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.
### Architectural and Urban Design Stream

These units are for the 96 credit point Master of Urban Design (Architectural & Urban Design). A maximum of 24 credit points of MARC Studios may be counted to the core requirements.

#### 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>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9001 Urban Architecture Research Studio</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td>Note: This studio cannot be taken with MARC4002 or MARC4003. Students may incur materials costs in this unit.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH9002 Sustainable Architecture Research Studio</td>
<td>12</td>
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<td></td>
<td>Note: This studio cannot be taken with MARC4001 or MARC4003. Students may incur materials costs in this unit.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH9003 Digital Architecture Research Studio</td>
<td>12</td>
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<td></td>
<td>This studio cannot be taken with MARC4001 or MARC4002. Students may incur materials costs in this unit.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH400 Modern Architectural Theory</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>ARCH6104, ARCH9048, ARCH9049</td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH9001 Urban Design Studio A</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td>Note: Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MUrbDes(Urban &amp; Plan) or MUrbDes(Arch &amp; UrbDes). 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>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH9002 Urban Design - Ideas and Methods</td>
<td>6</td>
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<td></td>
<td></td>
<td>ARCH9022</td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9003 Urban Architecture Research Studio</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9004 Urban Ecology and Design</td>
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<td></td>
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<td>ARCH9021</td>
<td>Semester 2</td>
</tr>
<tr>
<td>ARCH4102 Modern Architectural History</td>
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</tr>
<tr>
<td>ARCH400 Modern Architectural Theory</td>
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<td>ARCH4102</td>
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</tr>
<tr>
<td>ARCH9001 Urban Design Studio A</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td>Note: Some prior study of architectural, urban or planning history.</td>
<td>Semester 1 Semester 2</td>
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<tr>
<td>ARCH9002 Urban Design - Ideas and Methods</td>
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<td>ARCH9022</td>
<td>Semester 1</td>
</tr>
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<td>ARCH9003 Urban Architecture Research Studio</td>
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<td>Semester 1</td>
</tr>
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<td>ARCH9004 Urban Ecology and Design</td>
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<td></td>
<td>ARCH9021</td>
<td>Semester 2</td>
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</tbody>
</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>
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<td></td>
<td>Note: Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MUrbDes(Urban &amp; Plan) or MUrbDes(Arch &amp; UrbDes). 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>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ARCH9002 Urban Design - Ideas and Methods</td>
<td>6</td>
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<td>ARCH9022</td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9003 Urban Architecture Research Studio</td>
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<td>ARCH9001</td>
<td>Semester 1</td>
</tr>
<tr>
<td>ARCH9004 Urban Ecology and Design</td>
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<td></td>
<td></td>
<td>ARCH9021</td>
<td>Semester 2</td>
</tr>
<tr>
<td>PLAN9020 Planning Procedures</td>
<td>6</td>
<td></td>
<td>PLAN9020, PLAN9044</td>
<td></td>
<td>Planning 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>
</tr>
<tr>
<td>PLAN9021 Planning Law</td>
<td>6</td>
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<td>PLAN9021, PLAN9021</td>
<td></td>
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<td>Semester 2</td>
</tr>
<tr>
<td>PLAN9022 Foundations of Environmental Planning</td>
<td>6</td>
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<td>PLAN9027</td>
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<tr>
<td>PLAN9055 Resource and Environmental Management</td>
<td>6</td>
<td></td>
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<td>Semester 1</td>
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<tr>
<td>PLAN9068 History and Theory in Urban Planning</td>
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<td></td>
<td>PLAN9031</td>
<td></td>
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<td>Semester 1</td>
</tr>
<tr>
<td>PLAN9069 Urban Design and Development Control</td>
<td>6</td>
<td></td>
<td>PLAN9051</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>PLAN9064 Land Use and Infrastructure Planning</td>
<td>6</td>
<td></td>
<td>PLAN9028</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>
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.

### 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>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>Semester 1</td>
</tr>
<tr>
<td>PLAN9063 Foundations of Environmental Planning</td>
<td>6</td>
<td>N PLAN9027</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>PLAN9068 History and Theory in Urban Planning</td>
<td>6</td>
<td>N PLAN9031</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>PLAN9069 Urban Design and Development Control</td>
<td>6</td>
<td>N PLAN9051</td>
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<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>PLAN9062 Planning Law</td>
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<td>C PLAN9061 N PLAN9021</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>PLAN9064 Land Use and Infrastructure Planning</td>
<td>6</td>
<td>N PLAN9028</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>PLAN9018 Planning Report</td>
<td>12</td>
<td>P 48 credit points 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></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<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</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. It MUST be taken in conjunction with PLAN9011 Planning Dissertation 2, either in the same or following semester.</td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<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 N 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 preceding semester.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
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### Without specialisation

### Elective 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>PLAN9065 Resource and Environmental Management</td>
<td>6</td>
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<td>Semester 1</td>
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<tr>
<td>PLAN9074 Public &amp; Community Finance for Planners</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
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<td>S2 Intensive</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>
<td></td>
<td></td>
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<td>S1 Late Int</td>
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<tr>
<td>PLAN9067 Metropolitan Planning</td>
<td>6</td>
<td>P 36 credit points</td>
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<td></td>
<td>S1 Late Int</td>
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<tr>
<td>PLAN9070 Graduate Studio - Design Guidelines</td>
<td>12</td>
<td>P PLAN(9061 and 9065 and 9069) or ARCH(9001 and 9002) Note: Department permission required for enrolment Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
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<tr>
<td>PLAN9073 GIS Based Planning Policy and Analysis</td>
<td>6</td>
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<td>Semester 2</td>
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<tr>
<td>PLAN9045 Economic Tools and Community Development</td>
<td>6</td>
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<td>S2 Intensive</td>
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<tr>
<td>PLAN9048 Environmental Design and Planning</td>
<td>6</td>
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</table>

### Heritage Conservation Stream

### Optional units

<table>
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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>
</tr>
</thead>
<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>
<td>N ARCH9003</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>
### Housing Studies Stream

#### Optional 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>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN9071 Housing &amp; Urban &amp; Regional Development</td>
<td>6</td>
<td>N ARCH9057</td>
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<td></td>
<td>S1 Late Int</td>
</tr>
<tr>
<td>PLAN9072 Housing Policy and Assistance</td>
<td>6</td>
<td>N ARCH9056</td>
<td></td>
<td></td>
<td></td>
<td>S2 Late Int</td>
</tr>
</tbody>
</table>
15. Master of Architecture

Overview

Aims of the Master of Architecture
The basic aims of the professional Master of Architecture program are to provide the knowledge, skills and experience that will equip the graduate to become 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 Master 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
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
The Master of Architecture program prepares students for the complex and challenging role of the professional architect. The program centres on design studios, supported by taught units in history and theory, advanced architectural technologies, and practice. In addition, there are a wide range of elective units from which students may choose in order to extend their knowledge and skills into other related areas.

The design studios are structured to respond to critical issues facing contemporary architectural design and to draw on the expertise in these issues of the faculty's specialist graduate programs and research activities. In this way, the studios both contribute to and are informed by faculty research. The areas of specialised study in the studios are:

- Urban Architecture
- Sustainable Architecture
- Digital Architecture

Students are required to complete four semesters of design units, each of which is vertically integrated, giving fourth and fifth year students the opportunity to work with and learn from each other. During their first three semesters students study in the Urban Studio, the Sustainability Studio and the Digital Studio, each for one semester, and complete the Graduation Studio during their fourth semester. For those eligible for the honours program, the Honours Studio is substituted for the Graduation Studio.

Professional recognition
Graduates who hold the degree of Master 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 Australian Institute of Architects. Student members receive each issue of Architecture Australia, the New South Wales chapter Bulletin, and the AIA News. They may also attend Institute functions.

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

Admission
The resolutions of the faculty (later in this handbook) specify the conditions of admission to the degree. In summary, an applicant for admission to the Master of Architecture must:

- either complete the Bachelor of Design in Architecture or an equivalent degree, with a WAM of at least 65, and
- have completed the Master of Architecture prerequisite units of study in their first degree, if proceeding from the Bachelor of Design in Architecture, and
- have completed the Architectural Experience Requirement.

The Architectural Experience Requirement can be satisfied by one of the following methods:

- by completing the Bachelor of Design in Architecture with Honours, or
- by completing professional work experience as an employee in architecture (minimum of 630 hours recorded in the Architects Accreditation Council of Australia (AACA) Log Book), or
- by undertaking an approved University of Sydney international exchange in the first semester of enrolment, or
- by completing professional work experience in a related industry (minimum of 630 hours appropriately recorded), or
• by completing field study in relation to architecture (including, but not limited to, international field study), appropriately documented to the satisfaction of the faculty, or
• by a combination of methods above.

Students may apply to commence study in the Master of Architecture program in either Semester One or Two.

**Construction Induction Certificate – Green Card**

Students entering the Master 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 13 10 50 or visit the WorkCover NSW website: www.workcover.nsw.gov.au/Training/ConstructionInduction/default.htm
Master of Architecture Enrolment guide

The Master of Architecture is a two-year full-time degree. 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 18). All students should read the degree resolutions and monitor their progress through 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 M.
- must complete successfully 18 credit points from elective units of study from those listed in Table M, or, with permission from the unit coordinator concerned (see Table G).

Award of the degree

The degree is awarded at three levels depending on academic merit. Honours are awarded to students who complete the honours units and meet the other assessment criteria (see ‘Honours in the Master of Architecture’ below).

Pass with Merit is awarded with a weighted average mark of at least 75 and Pass is awarded with a weighted average mark below 75.

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 core and honours units of the degree follows. Students contemplating honours should read the section following the planner. Students contemplating an overseas exchange should read the following chapter.

Master of Architecture enrolment planner - Semester One commencement

<table>
<thead>
<tr>
<th>Subject area</th>
<th>March Semester</th>
<th>July Semester</th>
<th>March Semester</th>
<th>July Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>MARC4001 Urban Architecture (12) or MARC4002 Sustainable Architecture (12) or MARC4003 Digital Architecture (12)</td>
<td>MARC5001 Urban Architecture (12) or MARC5002 Sustainable Architecture (12) or MARC5003 Digital Architecture (12)</td>
<td>MARC4001 Urban Architecture (12) or MARC4002 Sustainable Architecture (12) or MARC4003 Digital Architecture (12)</td>
<td>Graduation Studio* or for honours: MARF5201 Honours Studio (12) MARF5301 Honours Report (6)</td>
</tr>
<tr>
<td>Architectural Science and Technologies</td>
<td>MARC4101 Advanced Technologies 1 (6) or MARC5101 Advanced Technologies 2 (6)</td>
<td>MARC4101 Advanced Technologies 1 (6) or MARC5101 Advanced Technologies 2 (6)</td>
<td>MARC5101 Advanced Technologies 2 (6)</td>
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</tr>
<tr>
<td>Cultural Studies</td>
<td>MARC4201 Modern Architectural History (6)</td>
<td>MARC4102 Modern Architectural Theory (6)</td>
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<td></td>
</tr>
<tr>
<td>Professional Practice</td>
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<td>MARC5102 Contract Documentation (6)</td>
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<td>Mandatory credit points</td>
<td>24</td>
<td>18</td>
<td>18</td>
<td>18</td>
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<tr>
<td>Honours</td>
<td></td>
<td></td>
<td>* or for honours: MARF5201 Honours Studio (12) MARF5301 Honours Report (6)</td>
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</table>
## Master of Architecture enrolment planner - Semester Two commencement

<table>
<thead>
<tr>
<th>Subject area</th>
<th>July Semester</th>
<th>March Semester</th>
<th>July Semester</th>
<th>March Semester</th>
</tr>
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<tr>
<td><strong>Design</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>• 48 credit points</td>
<td>Research studios</td>
<td>MARC4001 Urban Architecture (12) or MARC4002 Sustainable Architecture (12) or MARC4003 Digital Architecture (12)</td>
<td>Research studios</td>
<td>MARC4001 Urban Architecture (12) or MARC4002 Sustainable Architecture (12) or MARC4003 Digital Architecture (12)</td>
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<tr>
<td>• 50% of MArch</td>
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<tr>
<td>• 61.5% of mandatory credit points</td>
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<td>MARC4001 Urban Architecture (12) or MARC4002 Sustainable Architecture (12) or MARC4003 Digital Architecture (12)</td>
<td>MARC4001 Urban Architecture (12) or MARC4002 Sustainable Architecture (12) or MARC4003 Digital Architecture (12)</td>
<td>MARC4001 Urban Architecture (12) or MARC4002 Sustainable Architecture (12) or MARC4003 Digital Architecture (12)</td>
</tr>
<tr>
<td><strong>Architectural Science and Technologies</strong></td>
<td>MARC4102 Modern Architectural History (6)</td>
<td>MARC4201 Modern Architectural History (6)</td>
<td>MARC4102 Advanced Technologies 1 (6) or MARC4201 Advanced Technologies 2 (6)</td>
<td>MARC4102 Advanced Technologies 1 (6) or MARC4201 Advanced Technologies 2 (6)</td>
</tr>
<tr>
<td><strong>Cultural Studies</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>• 12 credit points</td>
<td>MARC4101</td>
<td>MARC4201 Modern Architectural History (6)</td>
<td>MARC4102 Advanced Technologies 1 (6) or MARC4201 Advanced Technologies 2 (6)</td>
<td>MARC4102 Advanced Technologies 1 (6) or MARC4201 Advanced Technologies 2 (6)</td>
</tr>
<tr>
<td>• 12.5% of MArch</td>
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<tr>
<td>• 15.4% of mandatory credit points</td>
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<td>MEARC001</td>
<td>MARC5102 Contract Documentation (6)</td>
</tr>
<tr>
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<td>• 6.25% of MArch</td>
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<td>• 7.7% of mandatory credit points</td>
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<tr>
<td>• 30 credit points</td>
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<tr>
<td>• 31.25% of MArch</td>
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</table>

### Honours in the Master of Architecture

#### Admission

Students must have a weighted average mark of at least 80 over 72 credit points, including three research studios, to be admitted to the Master of Architecture honours program in their final semester. The honours course is constituted of the units MARC4001 Urban Architecture Research Studio, MARC4002 Sustainable Architecture Research Studio, MARC4003 Digital Architecture Research Studio, MARFS201 Honours Studio, and MARFS301 Honours Report.

#### Supervision and classes

The unit MARFS201 Honours Studio is taken in place of the graduation studio but follows the same trajectory, except that you are expected to complete the studio to a higher level than other students. Your studio will most likely inform your honours report.

The unit MARFS301 Honours Report is a research unit where you will write a researched report, most commonly based on your studio work, with supervision and feedback from your supervisor.

#### Submission date and form of thesis

All reports are to be lodged with the supervisor by the date specified in the unit of study guide handed out in class. Honours reports for examination can be simply bound or held together. Examined and amended reports are to be permanently bound (cloth binding preferably) with your name and report title written on the spine. These are held permanently in the faculty's Audio Visual Library. As a guide to your own report you may wish to look at this collection of works on level 4 of the Wilkinson Building.

#### Assessment and award

Each honours unit is assessed separately from the other. The award of honours, if merited, is determined by weighted average mark of at least 80 for all units of study attempted for the degree, including the honours units of study. Simple completion of the honours units is not sufficient for the award of the degree with honours.

A student for the honours program who does not meet the requirements for award of honours shall be awarded the Master of Architecture at the level merited, that is Pass with Merit with a weighted average mark of at least 75, or Pass with a weighted average mark below 75.
# Table M: Master 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>
</tr>
</thead>
</table>
## Core units of study
Candidates are required to complete the following core units of study:

### Architectural Design

<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>MARC4001 Urban Architecture Research Studio</td>
<td>12</td>
<td>Note: This studio cannot be taken with MARC4002 or MARC4003. Students may incur materials costs in this unit.</td>
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<tr>
<td>MARC4002 Sustainable Architecture Research Studio</td>
<td>12</td>
<td>Note: This studio cannot be taken with MARC4001 or MARC4003. Students may incur materials costs in this unit.</td>
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<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>MARC4003 Digital Architecture Research Studio</td>
<td>12</td>
<td>This studio cannot be taken with MARC4001 or MARC4002. Students may incur materials costs in this unit.</td>
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<td>Semester 1, Semester 2</td>
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### Architectural Science and Technology

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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
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<th>Session</th>
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<tbody>
<tr>
<td>MARC4101 Advanced Technologies 1</td>
<td>6</td>
<td>C MARC(4001 or 4002 or 4003)</td>
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<tr>
<td>MARC5101 Advanced Technologies 2</td>
<td>6</td>
<td>C MARC(4001 or 4002 or 4003)</td>
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<td>Semester 1</td>
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### Cultural Studies

<table>
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<tr>
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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>
</tr>
</thead>
<tbody>
<tr>
<td>MARC4102 Modern Architectural Theory</td>
<td>6</td>
<td>N ARCH6104, ARCH9048, ARCH9049</td>
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<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>MARC4201 Modern Architectural History</td>
<td>6</td>
<td>N ARCH4102</td>
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### Professional Practice

<table>
<thead>
<tr>
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<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>MARC5102 Contract Documentation</td>
<td>6</td>
<td>C MARC(4001, 4002, 4003, 5001 or 5201)</td>
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<td>Semester 2</td>
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### Graduation Studio
Candidates are required to complete one of the following studios:

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<th>Unit of study</th>
<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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</thead>
<tbody>
<tr>
<td>MARC5002 Graduation Studio (Sustainable)</td>
<td>12</td>
<td>P MARC(4001, 4002 and 4003)</td>
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<tr>
<td>MARC5003 Graduation Studio (Digital)</td>
<td>12</td>
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<tr>
<td>MARC5004 Graduation Studio (Urban)</td>
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<td>P MARC(4001, 4002 and 4003)</td>
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<td>Semester 1, Semester 2</td>
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### Elective units of study
Master of Architecture students may complete any other unit of study listed in Table G, the Faculty's table of graduate units of study, with permission of the unit coordinator concerned.

### Architectural Design

<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>MARC5202 Architecture Workshop A</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
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<td>S2 Intensive</td>
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<tr>
<td>MARC5203 Architecture Workshop B</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
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<td>S2 Intensive</td>
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### Architectural Science and Technologies

<table>
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<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>DESC9001 Air-Conditioning Design</td>
<td>6</td>
<td>P DESC9067</td>
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<tr>
<td>DESC9014 Building Construction Technology</td>
<td>6</td>
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<tr>
<td>DESC9138 Architectural and Audio Acoustics</td>
<td>6</td>
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<tr>
<td>DESC9185 Structural Synthesis Models</td>
<td>6</td>
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<td>A Undergraduate architecture or engineering degree.</td>
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<tr>
<td>DESC9191 Building Acoustics and Noise Control</td>
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<tr>
<td>MARC6101 Performance Based Modelling in Design</td>
<td>6</td>
<td>C MARC (4001,4002, 4003, 5001 or 5201)</td>
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<tr>
<td>Unit of study</td>
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<td>P: Prerequisites</td>
<td>C: Corequisites</td>
<td>N: Prohibition</td>
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<td>Art Workshops</td>
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<tr>
<td>DESA0901 Graduate Art Studio (Graphic Design)</td>
<td>6</td>
<td>N AWSS2016</td>
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<tr>
<td>DESA0902 Graduate Art Studio (Graphic Design)</td>
<td>6</td>
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<tr>
<td>DESA0903 Graduate Art Studio (Photography)</td>
<td>6</td>
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<tr>
<td>DESA0904 Art: Materials, Process and Contexts</td>
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<tr>
<td>DESA0905 Graduate Art Workshop</td>
<td>6</td>
<td>Note: Department permission required for enrolment Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.</td>
<td></td>
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<tr>
<td>DESA0906 Ceramics 2</td>
<td>6</td>
<td>P AWSS (2010 OR 2011) or equivalent N AWSS2012</td>
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<tr>
<td>DESA0907 Advanced Art</td>
<td>6</td>
<td>P Credit or better in a previous relevant art workshop. 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>DESA0908 Object Design</td>
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<td>DESA0909 Public Art</td>
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<tr>
<td>DESA0910 Painting</td>
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<td>N AWSS2022</td>
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<tr>
<td>DESA0911 Photography 2</td>
<td>6</td>
<td>P AWSS2023 or DESA0903 N AWSS2024</td>
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<tr>
<td>DESA0912 Screen Printing on Paper</td>
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<td>DESA0913 Sculpture</td>
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<td>DESA0914 Ceramics (Handbuilding)</td>
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<td>DESA0915 Site Specific Art</td>
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<td>Digital Architecture</td>
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<td>MARC6102 3D Computer Design Modelling</td>
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<td>IDEA9106 Design Thinking</td>
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<td>P: Prerequisites</td>
<td>C: Corequisites</td>
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<td>IDEA9205 Art, Technology and Culture</td>
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<td>Heritage Conservation</td>
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<td>ARCH9074 History and Theory of Conservation</td>
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<tr>
<td>ARCH9075 New Design in Old Settings</td>
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<td>Professional Practice</td>
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<td>DESC9047 Strategic Facility Management</td>
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<tr>
<td>DESC9048 Operational Facility Management</td>
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<tr>
<td>DESC9074 Project and Contract Management</td>
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<td>MARC5201 Management in Architecture</td>
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<td>N ARCH6201</td>
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<tr>
<td>Social Studies</td>
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<tr>
<td>ARCH9061 East Asian Arch &amp; Urbanism (Classical)</td>
<td>6</td>
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<td>This unit is offered in odd numbered years only.</td>
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<tr>
<td>ARCH9064 East Asian Arch &amp; Urbanism (Modern)</td>
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<tr>
<td>ARCH9073 Architecture Globalisation</td>
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<tr>
<td>MARC6201 Design as Social Practice</td>
<td>6</td>
<td>P DAAE2002 or by permission N DAAE2003</td>
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<td>Semester 2</td>
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<td>Sustainable Architecture</td>
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<td>DESC9015 Building Energy Analysis</td>
<td>6</td>
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<td>S2 Late Int</td>
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<tr>
<td>DESC9011 Energy Management in Buildings</td>
<td>6</td>
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<tr>
<td>DESC9169 Daylight in Buildings</td>
<td>6</td>
<td>N DESC9106</td>
<td>This unit of study is offered in even numbered years only.</td>
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<tr>
<td>DESC9192 Energy Code Compliance in Buildings</td>
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<tr>
<td>PLAN9048 Environmental Design and Planning</td>
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<tr>
<td>Urban Architecture</td>
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<tr>
<td>ARCH9082 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>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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<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 MUrbanDes(UrbDes &amp; Plan) or MUrbanDes(Arch &amp; UrbDes). It is recommended that the unit Urban Design - Ideas and Methods or Urban Morphology, is taken either before or concurrently with this studio.</td>
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<td>Semester 1</td>
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<tr>
<td>General Electives</td>
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<tr>
<td>ARCH9039 General Elective 1</td>
<td>6</td>
<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.</td>
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<tr>
<td>ARCH9040 General Elective 2</td>
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<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.</td>
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<td>S2 Intensive</td>
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<tr>
<td>ARCH9058 General Elective 7</td>
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<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.</td>
<td></td>
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<td></td>
<td>S1 Intensive</td>
</tr>
<tr>
<td>ARCH9059 General Elective 8</td>
<td>6</td>
<td>Note: Department permission required for enrolment Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.</td>
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<td>S2 Intensive</td>
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<tr>
<td>Honours units of study</td>
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<tr>
<td>For the award of Honours, students are required to complete the degree with degree WAM of at least 80. The Honours Studio replaces the Graduation Studio for students attempting the honours degree.</td>
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### 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>
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<tr>
<td>MARF5201</td>
<td>12</td>
<td></td>
<td>P 72 credit points and a WAM of at least 80</td>
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<td>Honours Studio</td>
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<td></td>
<td>N MARC5001, MARC5002, MARC5003, MARC5004</td>
<td>Semester 2</td>
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<td>Note: Department permission required for enrolment</td>
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<td>To qualify for honours in the MArch students must achieve a WAM of at least 80 in all units of study attempted.</td>
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<tr>
<td>MARF5301</td>
<td>6</td>
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<td>P 72 credit points with WAM of at least 80.</td>
<td>C MARF5201</td>
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<td>Semester 1</td>
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<td>Honours Report</td>
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<td>N ARCF3301</td>
<td>Semester 2</td>
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<td></td>
<td>To qualify for honours in the MArch students must achieve a WAM of at least 80 in all units attempted.</td>
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</tbody>
</table>
16. Postgraduate overseas exchange

About this chapter

This chapter explains the policies and procedures for overseas exchange for postgraduate students in coursework degrees and the Master of Architecture.

Exchange in the Master of Architecture

The faculty may approve international exchange for qualified students in semesters one to three of the Master 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.

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 follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

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.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture, Design and Planning 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>
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Elective 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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<td>MARC6607</td>
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<td>MARC6609</td>
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<tr>
<td>MARC6610</td>
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<td>Note: Department permission required for enrolment</td>
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<td>Semester 1, 2</td>
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</tbody>
</table>
Exchange in other graduate 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.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture, Design and Planning Student Administration Centre.

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>
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<td>DESC9662 Graduate Exchange Core C</td>
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<td>DESC9667 Graduate Exchange Optional D</td>
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<td>DESC9670 Graduate Exchange Elective C</td>
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<tr>
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<td>Semester 1 Semester 2</td>
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17. Postgraduate unit descriptions

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

- Table M for the Master of Architecture, or
- Table G for all other graduate degrees.

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: A/Prof Richard de Dear
Session: Semester 1, Semester 2
Classes: Five hours average class time per week, activities comprise, lectures seminars workshops and tutorials.
Assessment: Assessment is based on: (1) evidence of having completed and understood the reading assignments set, supported by evidence of critical contributions to class discussions and response to feedback, and (2) a preliminary research proposal in the area of interest, comprising between 2500-3000 words and no more than 15 pages. It is advisable that this proposal is carried out in conjunction with your supervisors. Final research proposals for partial satisfaction of probationary requirements will remain the responsibility of the student in association with your supervisors. In assessing submissions, attention is placed on evidence of (1) understanding of the subject matter of different modes of inquiry, research approaches and research methods; (2) 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. The unit is pass/fail only, but a minimum of a Credit level in all aspects is required to pass this unit of study.
Mode of delivery: Normal (lecture/lab/tutorial)
Note: Permission required unless enrolled in a research degree.

Content: 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.

Objectives & Learning Outcomes: To provide newly admitted research students with a fundamental understanding of the nature of inquiry through research, the philosophy of scientific research and interpretive scholarship and a range of fundamentally different epistemologies or 'modes of inquiry'. The modes of inquiry explored include: (1) empirical, field-based epistemology used heavily in architectural science urban planning and other field-based research, including experimental, quasi-experimental, survey, naturalistic, ethnographic and case study methods; (2) text-based, interpretive epistemology used heavily in architecture and the allied arts and other humanities, including archival, historical, theoretical, interpretative, discourse analysis and other text based methods; (3) computationally-based epistemology used heavily in design computing and other IT-based disciplines, including axiom and conjecture based, simulation, virtual reality, and prototype development methods; and (4) policy-oriented, communication-contingency and modelling epistemologies used heavily in urban and regional planning and other policy-based disciplines, including archival, strategic and evidence-based policy research, communications and morphological analyses and quantitative modelling; as well as (5) interdisciplinary combinations, triangulations and mixed modes.

ARCH9001
Urban Design Studio A
Credit points: 12
Teacher/Coordinator: Mr Barrie Shelton
Session: Semester 1, Semester 2
Classes: 4 hours per week - studio work, presentations and critiques
Assessment: Design and design-related projects and assignments, 100%.
Mode of delivery: Normal (lecture/lab/tutorial)
Note: Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MUrbanDes(UrbDes & Plan) or MArchDes(Arch & UrbDes). It is recommended that the unit Urban Design - Ideas and Methods or Urban Morphology, is taken either before or concurrently with this studio.

These studios are the heart of the urban design program. Values, knowledge and skills acquired in other units and from previous experience are supplemented and enhanced, and applied creatively to both the investigation and development phases of design projects at an urban scale. These may be concerned with the generation of strategies, frameworks, concepts, master plans, public space improvements, or other urban design purposes. They are chosen carefully to expose students to a range of contexts (central city, suburban, institutional campuses, etc) and contemporary issues concerning urban form, activity, transport and the implementation of projects.

Students are expected to extend their presentation methods by developing illustrative, writing and verbal skills appropriate to urban design. It is usual for the backgrounds of those enrolled in the studios to span at least architecture, planning and landscape architecture, with inter-disciplinary group work an essential part. Visionary and innovative approaches are encouraged.

Students will be expected to demonstrate appropriate (professional-level) problem recognition, investigative, analytical, interpretative, design and presentation skills and abilities on projects of an urban scale. Assessment may also embrace abilities to prepare and interpret project briefs, program proposals and work in groups. The central aim of this unit is to develop abilities and skills (investigation, analysis and interpretation, design development and presentation) which will enable students to carry out urban design projects such as the preparation of strategies, frameworks, concepts and master plans in a professional and visionary manner.

ARCH9002
Urban Design Studio B
Credit points: 12
Teacher/Coordinator: Mr Barrie Shelton
Session: Semester 1, Semester 2
Classes: 4 hours per week studio work, presentations and critiques
Prerequisites: ARCH9001 Assessment: Design and design-related projects and assignments, 100%.
Mode of delivery: Normal (lecture/lab/tutorial)

Students will be expected to demonstrate appropriate (professional-level) problem recognition, investigative, analytical, interpretative, design and presentation skills and abilities on projects of an urban scale. Assessment may also embrace abilities to prepare and interpret project briefs, program proposals and work in groups. These studios are the heart of the urban design program. Values, knowledge and skills acquired in other units and from previous experience are supplemented and enhanced, and applied creatively to both the investigation and development phases of design projects at an urban scale. These may be concerned with the generation of strategies, frameworks, concepts, master plans, public space improvements, or other urban design purposes. They are chosen carefully to expose students to a range of contexts (central city, suburban, institutional campuses, etc) and contemporary issues
concerning urban form, activity, transport and the implementation of projects.

Students are expected to extend their presentation methods by developing illustrative, writing and verbal skills appropriate to urban design. It is usual for the backgrounds of those enrolled in the studios to span at least architecture, planning and landscape architecture, with inter-disciplinary group work and essential part. Visionary and innovative approaches are encouraged.

The central aim of this unit is to develop abilities and skills (investigation, analysis and interpretation, design development and presentation) which will enable students to carry out urban design projects such as the preparation of strategies, frameworks, concepts and master plans in a professional and visionary manner.

ARCH9028
Conservation Methods and Practices

Credit points: 12
Teacher/Coordinator: Mr Trevor Howells
Session: Semester 1
Classes: 4 hours per week lectures and site visits
Assessment: Three assignments (equally weighted)
Mode of delivery: Normal (lecture/lab/tutorial) Day

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.

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: S1 Intensive, S2 Intensive, 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.

ARCH9040
General Elective 2

Credit points: 6
Session: S1 Intensive, S2 Intensive, 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.
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:** 48 credit points and a WAM of at least 75

**Corequisites:** ARCH9046

**Prohibitions:** ARCH9031, ARCH9000, PLAN9010, PLAN9011, PLAN9018

**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 types are 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.
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.

ARCH9058
General Elective 7
Credit points: 6 Session: S1 Intensive, S2 Intensive, 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.

ARCH9059
General Elective 8
Credit points: 6 Session: S1 Intensive, S2 Intensive, 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.

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: ARCH9031, ARCH9045, ARCH9046, PLAN9010, PLAN9011, PLAN9018 Assessment: Urban design report approx 10000 to 15000 words (100%). 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 students in an Urban Design stream only.

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 to 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 investigatory 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)
This unit of study is not available in 2010
Credit points: 6 Teacher/Coordinator: Dr Peter Armstrong Session: Semester 2 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
Note: This unit is offered in odd numbered years only.

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
The unit will familiarise students with the main ideas and methods that have influenced urban design practice from the late nineteenth century to the present. It covers the dominant urban design theories, principles, conceptual and physical models, analytical methods and drawings from key contributing authors over the period, and explores critically how and why these arose, their interrelationships, spheres of influence, and continuing validity. In exploring their origins, it necessarily refers back to earlier periods. In this unit, the urban design ‘classics’ (eg Sitte, Le Corbusier, Lynch, Hillier, etc) are presented and discussed critically as history, design sources and tools.
It complements the Urban Morphology unit (ARCH9063) unit, which emphasises the built forms that have resulted in part from the theories and models covered in Ideas and Methods. It is a core unit that supports the Urban Design Studios in the Urban Design programs and an informative elective for students enrolled in or intending to enrol in the Urban Architecture Research Studio.

ARCH9063 Urban Morphology
Credit points: 6 Teacher/Coordinator: Mr Barrie Shelton Session: Semester 2 Classes: Lect 3 hrs/week. Prohibitions: ARCH9021 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

The unit outlines the nature of urban morphology, and its rise as an area of study, and explores the evolution of city forms with an emphasis upon urban structure and typology. Most designed components of our cities conform in their general characteristics to identifiable types; they reflect the functions of cities, cultural values and the technological, economic and social circumstances of their times. These have been laid down over particular landforms and previous built forms and landscapes to result in usually complex, and often distinct, local characteristics.

The ability to recognize, investigate and respond to these forms and relationships lies at the heart of good urban design. The development of an historical knowledge, and of sensibilities and skills in the recording and interpretation of urban pattern and form for design purposes is the unit's primary aim. It will develop abilities to make more informed 'readings' of the urban landscape, and judgments about structure and form in contemporary urban design: retention, modification, replacement, etc. On completion, a student will be better able to: recognize structures and patterns, and key building and spatial typologies that contribute to overall city morphology; record and describe these, investigate and explain their origins, and discuss informatively their place in urban change and contemporary design.

It complements the Urban Design - Ideas and Methods unit (ARCH9062) unit, which emphasises the theories and models underpinning the forms that are covered in this unit. It is a core unit that supports the Urban Design Studios in the Urban Design programs and an informative elective for students enrolled in or intending to enrol in the Urban Architecture Research Studio.

ARCH9064 East Asian Arch & Urbanism (Modern)
Credit points: 6 Teacher/Coordinator: Mr Barrie Shelton Session: Semester 2 Classes: Two hours lectures per week. Prohibitions: ARCH9054. Assessment: Minor assignment, class presentation and major assignment (report) Mode of delivery: Normal (lecture/lab/tutorial) Day Note: This unit is offered in even numbered years only.

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.

ARCH9073 Architecture Globalisation Urbanisation
Credit points: 6 Teacher/Coordinator: 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 enable 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 2 Classes: Lectures 2 hrs per week. Prohibitions: ARCH9003 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 an understanding of the history and theoretical basis of the development of architecture: to develop an understanding of the historical development of Western traditions of architecture; 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 effort 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: Mr Trevor Howells Session: Semester 1 Classes: Lectures 2hrs/week, site visits and seminars. Assessment: Preparation of a Heritage Impact Statement as per guidelines of NSW Heritage Branch - approximately equivalent to 4,000/5,000 word essay (100%) Mode of delivery: Normal (lecture/lab/tutorial) Day*

This unit will cover one of the most fundamental aspects of heritage conservation. Designing infill and additions to historic buildings and precincts are the common practice of architecture throughout time in all cultures. From a multi-disciplinary background this course will aim to develop skills in the assessment of the cultural significance of existing buildings, the impact of new works to the heritage significance of historic buildings in existing contexts, visual and spatial literacy in the design of new fabric in old settings. The course will provide a wide range of examples, including wide international perspective.

The aims of the unit are 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 of designing new buildings in old settings; to develop an ability to critically assess the appropriateness of the design of the new in the context of the accordingly accepted current conservation practice in Australia.

By the end of the course the student will be able to produce, at a professional level a Heritage Impact Statement as defined by the NSW Heritage Branch.

Student workload expected: contact hours two hours per week; class preparation two hours per week; assessment preparation 40 hours per semester.

**ARCH9080**

**Urban Ecology and Design**

*Credit points: 6 Teacher/Coordinator: Dr Lee Stickells Session: Semester 2 Classes: Lectures 1hr per week, seminar/workshops 2 hrs per week Assumed knowledge: Undergraduate studio experience in design Assessment: Mini-assignment 20%, Powerpoint presentation or equivalent 20%, Design-related report 60% Mode of delivery: Normal (lecture/lab/tutorial) Day*

This unit will develop students' understanding of ecology and the city - of the relationships between ecology, landform, built form and design in the urban context. It will focus on developing knowledge of the ways that urban settings are analysed in the context of ecosystem ecology as well as sensibilities and skills in the representation and interpretation of urban ecological conditions.

The unit seeks to establish ecological thinking as an integral part of urban design and therefore a key factor in the generation of urban form. The unit will emphasise both conceptual knowledge as backcloth and case study projects as example applications (design criteria and frameworks, and designs). The development of appropriate communication skills is important, especially the diagramming of ecological processes and principles for design purposes. The knowledge and skills gained will support the achievement of sustainable solutions through: improved urban layouts, landscape and built forms, and infrastructure; more effective use of energy, water and materials; better systems of waste, transportation and habitat management; urban agriculture and biodiversity.

It is a core unit that supports the Urban Design Studios in the Urban Design programs and an informative elective for students enrolled in or intending to enrol in either the Sustainable Architecture Research or Urban Architecture Research Studios.

Class preparation, 2 hrs per week, Assessment 2 hrs per wk

**ARCH9081**

**Heritage Law and Policy**

*Credit points: 6 Teacher/Coordinator: T. Howells, M-L Taylor and others Session: Semester 1 Classes: Lectures and site visits. Assessment: two reports (50% each) Mode of delivery: Normal (lecture/lab/tutorial) Day*

Students completing this unit will be able to undertake heritage studies and assessments, and to prepare instruments and guidelines relating to heritage policies. They will have knowledge of: legislation (international and all levels of government), regulations, planning instruments and policies; registers, inventories and other records of significant items; roles and procedures of various government agencies involved in heritage and conservation.

The unit will consider a range of heritage issues, for example, ones relating to landscape, streetscape, archaeology, public places etc, besides buildings. It will also cover a range of issues such as: adaptive reuse, modifications for ESD provisions, management of the context of significant items, and the conservation areas.

Students will gain skills in: reviewing legislation, planning instruments and policy documents relating to heritage; preparing basic policies, instruments and related guidelines relating to heritage; critical thinking about heritage issues, and how heritage relate to urban design and planning; ESD and trade-offs with other considerations; reviewing and preparing heritage studies, proposals, management plans, approvals etc.

Assessment will be based on assignments addressing both the context and practice of heritage and conservation planning. The unit will be taught by lectures, with site visits. There will be a component of research-led teaching using projects.

Class preparation: 2 hours/week, assessment preparation: 40 hours/semester

**ARCH9082**

**Conservation of Traditional Materials**

*Credit points: 6 Teacher/Coordinator: Mr Trevor Howells Session: Semester 2 Classes: Lectures and site visits Assessment: 1x 4000 word essay (100%) Mode of delivery: Normal (lecture/lab/tutorial) Day*

Note: This unit of study is offered in even numbered years only.

The aims of the course are to introduce students to broad range of specialists from the related fields of architectural conservation and related disciplines who specialize in the conservation of traditional building fabric; to introduce students to the appropriate and accepted methods traditional construction and of the conservation traditional architectural materials; and to familiarise students with the relevant literature pertaining to the domain.

The objectives of the course are to allow the student to develop a broad understanding of excellent contemporary conservation practice in the conservation of traditional materials; to develop a broad understanding of traditional building methods; to develop an understanding of good and bad practice in the conservation of traditional materials. Students will be expected to demonstrate the ability to research and prepare academic paper related to the domain.

Lectures: 2 hours/week (11 weeks), site visits: 2 hours/week (2 weeks)
The final project submission will demonstrate an understanding of these exercises to a finished print outcome, using digital processes. The outcomes involve the application of design principles to a range of design contexts using different graphic techniques and media. These will be applied to a basic principles and processes of visual communication which will be required to apply weekly studio exercises created with composition and use of typography and image. As research, students will be required to apply weekly studio exercises, research and final project using digital media and portfolio of studio exercises, research and final project using digital media and presented in either digital or print form.

The course objective is to analyse a given site with an existing building of identified heritage value and for the design-based students to prepare, with a given brief, a contemporary addition that is both a credible work of contemporary architecture whilst at the same time a sensitive and appropriate addition that respects the cultural significance of the existing building. The non-design based students will accept as heritage consultants, in accordance with best professional practice and concurrently prepare for the proposed design a Heritage Impact Statement that conforms with the NSW Heritage Branch guidelines and standards of practice.

Classes: Studio: 2 hours/week (10 weeks), Tutorials: 2 hours/week (2 weeks) site visit: 2 hours/week (1 week)
Class preparation: 2 hours/week

DESA9001 Graduate Art Studio (Graphic Design)
Credit points: 6  Teacher/Coordinator: Mr Mark Jones and Ms Teena Clerke Session: Semester 1, Semester 2 Classes: 3hrs per week, Practical studio classes, slide lectures. Prohibitions: AWSS2016 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 limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

The unit offers a systematic approach to understanding and utilising 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 project.

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 designed 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.

DESA9002 Graduate Art Studio (Graphic Design 2)
Credit points: 6  Teacher/Coordinator: Ms Teena Clerke Session: Semester 2 Classes: Three hours per week. Prerequisites: DESA9001 or AWSS2016 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: Department permission required for enrolment. Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in 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 typographic, 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 designed 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  Teacher/Coordinator: Mr Mark Jones Session: Semester 1, Semester 2 Classes: Practical studio classes, slide lectures, class discussions, gallery visits, one to one tutor crit sessions. Prohibitions: AWSS2003 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 and manipulation, layout 10%. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. 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 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 also have an understanding of the classification and presentation of the developed and printed photographic images in which the photographs produced in this unit of study can be used in or relate to their coursework program. For example how darkroom practice and its relationship to design history.

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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, landscapes 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 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.

DESA9004
Art: Materials, Process and Contexts
This unit of study is not available in 2010
Credit points: 6
Teacher/Coordinator: Ms Jan Fieldsend
Session: S2
Intensive Classes: Three hours per week.
Assessment: Studio projects and associated assignments 100%
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

This studio-based unit will address both the practice and the theory of art production. It will be in two parts - a studio section in which each student will undertake a course in art practice in three media areas (for example: digital photography, sculpture and mixed media) and create either individual or collaborative art works; and a theory section in which students will investigate the cross-currents between the different media through reflection, seminars and open jury presentations. The unit will include a gallery visit, review and lectures that will assist participants in their media investigations. The emphasis will be on the relationships between different media and skills (materials and process) and ideas. Contact hours: 3 hours studio (incl. 1 gallery visit) per week per 13 week semester= 39 hours. Class and exhibition preparation, independent study: = 39 hours

DESA9005
Graduate Art Workshop
Credit points: 6
Teacher/Coordinator: Mr Mark Jones
Session: S1 Intensive, Semester 1; Semester 2 Classes: Three hours per week.
Assessment: Studio projects and associated assignments 100%
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

Students may enrol in art workshop units of study as listed below. These studio-based units provide participants with the opportunity to explore a wide range of art and design practices. An awareness of current ideas and practice in contemporary visual art and design as well as how this knowledge may relate to architectural design is integral to these workshops. At the successful completion of a particular medium students will have: produced a body of work in a particular medium, be able to use an awareness of contemporary art theory and practice to inform decision making in their creative work as well as being able to reflect upon and realistically evaluate their own work. Art workshops on offer are: Screen printing (intensive mode semester 1 only), Painting or Photography 2 (both available semesters 1 and 2).

DESA9006
Ceramics 2
Credit points: 6
Teacher/Coordinator: Mr Mark Jones
Session: Semester 1 Classes: Practical studio classes 3 hours per week.
Prerequisites: AWSS (2010 CRN 2) or equivalent
Prohibitions: AWSS2012
Assessment: Attendance, application and participation (marks will be deducted after 1 missed class) ungraded 20% from tutor's record; technical development/workshop practice (from weekly tasks) 30% (graded); studio journal 20% (graded); final work's 30% (graded)
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

This practical unit aims to give students the understanding to produce a number of individually designed ceramic works that develop and extend techniques learnt in level 1. Students will gain the knowledge to create larger and more advanced ceramic forms with combinations of coil, hand slab and throwing techniques. Students will be introduced to plaster moulds for larger constructions and relief decorations. An individual approach to vessel and sculptural construction will be informed by historical and contemporary ceramic art and craft practices. In addition experimental surface treatments will be explored. Students of Architecture will be able to use this unit to explore architectural forms using ceramics and mixed media. The delivery mode will be practical ceramic studio work, demonstrations, side lectures, class discussions, gallery visits and one to one tutor crit sessions.

DESA9007
Advanced Art
This unit of study is not available in 2010
Credit points: 6
Teacher/Coordinator: Ms Jan Fieldsend
Session: S1 Intensive, S2 Intensive, Semester 1, Semester 2 Classes: Practical studio classes three hours per week or in intensive mode.
Prerequisites: Credit or better in a previous relevant art workshop.
Assessment: Report/journal 25%; final work/exhibition install 60%; seminar 15%
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 workshops. Through an advanced use of media, art/architectural theory, seminars, the production of visual research journal and a final exhibition project, students will 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 also be involved in catalogue production and exhibition set-up as well as a professional presentation of their work. Contact hours: 39 hrs./semester. Student effort expected for an average student to achieve a pass level result: class preparation and assessment: 39 hours per semester.

DESA9008
Object Design
Credit points: 6
Teacher/Coordinator: Mr Mark Jones
Session: Semester 1, Semester 2 Classes: Three hours per week.
Prohibitions: AWSS2020
Assessment: Studio Projects and associated tasks 70% (graded)
Research Process Journal 30% (graded)
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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. It 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. Students will be expected to produce a research process journal and report on how a particular artist/s or art movement has informed or influenced their final project/s. Class preparation and assessment 39 hrs/per semester face to face teaching

Student effort expected for an average student to achieve a pass level result:
29 hrs Research/process journal, 6 hrs Gallery visit and written report, 4 hrs presentation of final work to class

DESA9009

Public Art


Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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. 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 its relationship to architecture. Field trips, artist/commissioner talks, case studies, (e.g. the Vietnam Memorial in Washington and the Sydney Olympic Public Art Projects) and slide lectures will complement the theoretical content of Public Art.

Students will be expected to produce a research process journal and report on how a

Contact hours: 27 hrs/semester

Student effort expected for an average student to achieve a pass level result: class preparation and assessment: 51 hours per semester

DESA9010

Painting


Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

This module aims to provide the student with the knowledge 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. Students will be expected to produce a research process journal and report on how a particular artist/s or art movement has informed or influenced their final project/s.

Class preparation and assessment 39 hrs/per semester

Student effort expected for an average student to achieve a pass level result:
29 hrs Research/process journal, 6hrs Gallery visit and written report, 4 hrs presentation of final work to class

DESA9011

Photography 2

Credit points: 6 Teacher/Coordinator: Mr Mark Jones Session: Semester 1, Semester 2 Classes: Three hours per week. Prerequisites: AWSS2023 or DESA9003 Prohibitions: AWSS2024 Assessment: Studio Projects and associated tasks 70% (graded) Research Process Journal 30% (graded) Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

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 that 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. Students will be expected to produce a research process journal and report on how a particular artist/s or art movement has informed or influenced their final project/s.

Class preparation and assessment 39hrs/per semester

Student effort expected for an average student to achieve a pass level result:
14 hrs Research/process journal, 15 hrs Independent Studio time, 6 hrs Gallery visit and written report, 4 hrs presentation of final work to class

DESA9012

Screen Printing on Paper


Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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 and print on paper; awareness and appreciation of screen-printing in historical and contemporary contexts, a wide variety of techniques and exercises that can be developed into an edition or experimental series of screen-prints. Techniques covered include: photo, wax emulsion stencils, preparation of photo-positives, ink technology, registration and print set-up for multi-coloured screen-prints. Through studio
practice, set exercises, slide–lectures, gallery visits and library research. Students will develop an understanding of their creative process and ability to interpret ideas through the medium of screen-printing. Students will be expected to produce a research process journal and report on how a particular artist/s or art movement has informed or influenced their final project/s.

Class preparation and assessment 39 hrs/per semester

Student effort expected for an average student to achieve a pass level result:
14 hrs Research/process journal, 15 hrs Independent Studio time, 6 hrs Gallery visit and written report, 4 hrs presentation of final work to class

DESA9013 Sculpture

Credit points: 6 Teacher/Coordinator: Mr Mark Jones Session: Semester 1, Semester 2 Classes: Three hours per week, Prohibitions: AWSS2027 Assessment: Studio Projects and associated tasks 70% (graded) Research Process Journal 30% (graded) Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. 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. Students will 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. Students will be expected to produce a research process journal and report on how a particular artist/s or art movement has informed or influenced their final project/s.

Class preparation and assessment 39 hrs/per semester

Student effort expected for an average student to achieve a pass level result:
29 hrs Research/process journal, 6 hrs Gallery visit and written report, 4 hrs presentation of final work to class

DESA9014 Ceramics (Handbuilding)

Credit points: 6 Teacher/Coordinator: Mr Mark Jones Session: Semester 1 Classes: Three hours per week, Prohibitions: AWSS2010 Assessment: Studio Projects and associated tasks 70% (graded) Research Process Journal 30% (graded) Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

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 gain experience in ways of selecting and analysing sites for the purposes of incorporation into artwork. Students begin to develop an individual art practice through using a wide range of materials to make temporary site-specific artworks and also begin to develop ways of analysing and evaluating site-specific artworks through directed group discussions.

Students will be expected to produce a research process journal and report on how a particular artist/s or art movement has informed or influenced their final project/s.

Class preparation and assessment 39 hrs/per semester

Student effort expected for an average student to achieve a pass level result:
14 hrs Research/process journal, 15 hrs Independent Studio time, 6 hrs Gallery visit and written report, 4 hrs presentation of final work to class

DESA9015 Site Specific Art

Credit points: 6 Teacher/Coordinator: Mr Mark Jones Session: Semester 1, Semester 2 Classes: Three hours per week, Assessment: Studio Projects and associated tasks 70% (graded) Research Process Journal 30% (graded) Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit; allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

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 gain experience in ways of selecting and analysing sites for the purposes of incorporation into artwork. Students begin to develop an individual art practice through using a wide range of materials to make temporary site-specific artworks and also begin to develop ways of analysing and evaluating site-specific artworks through directed group discussions.

Students will be expected to produce a research process journal and report on how a particular artist/s or art movement has informed or influenced their final project/s.

Class preparation and assessment 39 hrs/per semester

Student effort expected for an average student to achieve a pass level result:
14 hrs Research/process journal, 15 hrs Independent Studio time, 6 hrs Gallery visit and written report, 4 hrs presentation of final work to class

DESC9001 Air-Conditioning Design

This unit of study is not available in 2010

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: Assoc Prof Bill Martens/Mr Michael Bates Session: Semester 1 Classes: 3 hours per week 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 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 mixing consoles, the fundamentals of multi track recording and digital editing; demonstrate an ability to communicate their ideas, and articulate the reasons for their choices of production methods; and 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.

Students are expected to: participate in the workshops; complete class exercises/constructs; read additional materials to discuss in classes; submit a script, composition or otherwise detailed proposal for recording and postproduction with detailed reason d'etre of production values; 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: Dr David Leifer Session: Semester 1 Classes: 3 hours per week. 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: Prof Richard Hyde Session: S2 Late Int 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.

DESC9040
Electrical Services
Credit points: 6 Teacher/Coordinator: Prof Warren Julian Session: S1 Late Int Classes: Lectures Assessment: Three assignments, equal weighting. 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 day lighting systems.

DESC9042
Electrics Electronics & Electroacoustics
Credit points: 6 Teacher/Coordinator: Assoc Prof Bill Martens/Mr Ken Stewart Session: Semester 1 Classes: 3 hrs per week lectures and lab Assessment: Written assignments (50%) and practical tests (50%) Mode of delivery: Normal (lecture/lab/tutorial) Day

The aim of the unit is to give an understanding of electronic devices and terms, measurement units used in audio electronics, and basic DC and AC circuits; to demonstrate simple audio circuit characteristics (e.g. amplifier/filter characteristics), and simple construction/maintenance techniques; to give practice at reading schematics and circuit diagrams and using audio test equipment; and to examine safety aspects of using electrical/electronic equipment.

This unit will give students an understanding of electronics and electronic terms, and experience at using test equipment. Students will learn basic electric theory, electronic components and devices, measurement units, interpretation of schematics and circuit diagrams,
use of audio test equipment, basic circuit construction and maintenance, fault-finding and safety issues.

By the end of the unit students will be expected to: be able to recognise electronic components as used in audio electronic circuits, and state their function; use appropriate units when discussing audio electronic concepts; understand the effect of frequency on various electronic devices and circuits; given a schematic or circuit diagram of a circuit, be able to explain its general operation, and pinpoint such elements as inputs, outputs, power supply and gain elements; be able to use appropriate test equipment correctly to find a simple fault in a circuit, and to analyse sound level and frequency distribution of a sound in a given space; be able to construct and test a simple circuit, given a circuit diagram, and to explain and verify the circuits operation; and be able to state important precautions to be taken when operating or handling audio components, and safety considerations when dealing with electrical systems.

Students will demonstrate their understanding of the theoretical component of the unit by performance in the written test, and will be required to demonstrate competence in using test equipment.

DESC9047 Strategic Facility Management
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: S1 Intensive Classes: Lectures Assessment: 2 assignments 40% each, presentation 10%, participation 10%. Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit is an introduction to forward planning of facilities and its impact on their management, since adjustments and alterations to facilities occur much slower than corporate decisions can be made. It is a management discipline, and as such relies on the central topics of business finance, information systems, and of course management per se.

The teaching proceeds from an examination of the purpose of organisations and how the facility assists (or hinders) it achieving its goals. Explaining this understanding is the subject of the first coursework assignment.

In this first half of the unit we will examine the purpose of ‘organisations’ and their ‘facilities’ and how they assist organisations to meet their goals. This includes examination of facilities and how their performance is measured. We shall consider the procedures necessary to obtain this information, and how to identify those areas that have ‘elasticity’ and are therefore amenable to management initiatives.

In the second half of the unit we will consider the potential improvement of the performance in terms of their contribution to the user organisation’s mission. In this regard, occupational health and safety issues are germane. The second coursework assignment will require attendees to consider the means to measure the performance of facilities in order to relate them to corporate purpose.

Textbooks

DESC9048 Operational Facility Management
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: S2 Intensive Classes: 4 day intensive Assessment: Two assignments of 40% each, presentation 10%, participation 10%. Mode of delivery: Block Mode

This unit is concerned with the day-to-day operations required to run an organisations facilities.

The first part of the unit looks at external constraints on corporate priorities in which the issues are identified and discussed. This includes the theoretical issues influencing why an organisation locates where it does. It considers the legislative planning framework that might constrain free choice. The process for identifying priorities is considered. In the second part of the unit consideration is given to measuring and appraising performance. The third part of the unit will take an overview of four of the major facility operational areas that are amenable to management; Security, Cleaning, Energy, and Repairs and Maintenance, which between them consume the major portion of facilities costs.

Finally the establishment of management practices, policies and procedures will be discussed, and the basis for the second coursework assignment set.

DESC9049 Financial Decision Making
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: S1 Late Int Classes: 4 day intensive Assessment: Two group assignments (50% each) Mode of delivery: Block Mode

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.

The unit is in two halves: The first deals with management accounting. 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.

The second half examines cost accounting, i.e. the internal generation and flow of management information for financial control. 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.

DESC9050 Fire Protection Services
Credit points: 6 Teacher/Coordinator: Prof Warren Julian Session: S2 Intensive Classes: Lectures and computer laboratory Assessment: Two assignments, 50% each. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in even numbered years only.

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. 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. Outcomes: 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
Credit points: 6 Session: S2 Intensive Classes: Intensive Assessment: Assignments and report Mode of delivery: Block Mode

Note: This unit of study is offered in even numbered years only.

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 stormwater retention systems and systems for piped gases for commercial and industrial buildings.
DESC9067

Mechanical Services

Credit points: 6
Teacher/Coordinator: Mr Alan Obrart
Session: S1 Late Int
Classes: 5 day intensive
Assessment: Six assignments (2 x 10 per cent, 2 x 15 per cent, 2 x 20 per cent) and a laboratory report (10 per cent)
Mode of delivery: Block Mode

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 diplomats 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.

DESC9071

Organisational Analysis and Behaviour

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

Organisations exist because individuals can achieve far more when they work together than they can singly. However, management attempts to subordinate individuals' motivations 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 effects 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.

Textbooks

DESC9073

Computer Simulations in Buildings 1

Credit points: 6
Teacher/Coordinator: Dr David Gunaratnam & Prof Richard Hyde
Session: Semester 2 Classes: Three hours per week, lectures/computer labs
Assumed knowledge: Undergraduate Architecture, Design Computing or Engineering degree
Assessment: Three assignments - 30%, 30% & 40%
Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit aims to introduce students to the theoretical bases for the current research approaches, established techniques and computational tools available for simulation and optimisation during the design process to their response to environmental phenomena with respect to all the main technical subject areas within buildings. It investigates an integrated approach to technical aspects of building design process through a unifying framework built on performance and strategic decision models. The performance and decision models are based on mathematical, numerical and computational intelligence techniques. It provides hands-on experience in the use of some of the generic tools applicable across a number of subject areas, integrated tools that allow a holistic evaluation of building performances, specialised tools that focus on in-depth analysis and evaluation of just one subject area, and tools designed to work as plug-ins to 3D CAD software in one or more of the subject areas.

At the completion of the unit each student is expected to have demonstrated through the assessment tasks: a good understanding of the theoretical bases for both the performance and strategic decision models; an ability to arrive at an optimum integrated design for the technical systems by selecting and using the appropriate qualitative and quantitative tools; and an ability to develop simulation and optimization models for applications within their area of interest.

Student workload effort expected: Contact hours three hours per week; class preparation 1 hour per week; assessment preparation 39 hours per semester

DESC9074

Project and Contract Management

Credit points: 6
Teacher/Coordinator: Dr David Leifer
Session: S2 Intensive
Classes: 4 day intensive
Assessment: Two assignments (50% each)
Mode of delivery: Block Mode

Project Management is specific form of establishing, programming, and coordinating an activity having a specific start point and end point. This body of knowledge-as for example in the Project Management Book of Knowledge (PMBOK)-needs to be understood in general terms. Initially project managers must identify and define the services that are needed, (scope) and that their employers are willing to endorse. The activities requiring to be carried out need to be sorted and sequenced; the materials labour and plant required need to be estimated and procured. Projects involve the management of information, and communications. This unit will develop the student's ability to ascertain and document the scope of a project, schedule a program, and understand the difficulties in directing it.

Textbooks

DESC9075

Computer Simulations in Buildings 2

Credit points: 6
Teacher/Coordinator: Dr David Gunaratnam & Prof Richard Hyde
Session: Semester 2 Classes: Three hours per week, lectures/computer labs
Assumed knowledge: Undergraduate Architecture, Design Computing or Engineering degree
Assessment: Three assignments - 30%, 30% & 40%
Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit aims to build on previous unit, and introduces students to the theoretical bases for the current research approaches, established techniques and computational tools available for simulation and optimisation during the construction and subsequent management phases within the building life cycle. It investigates a number of simulation, optimisation and strategic decision making models applicable to these phases, including those based on system dynamics, discrete event simulation and computational intelligence. It explores tools and techniques available for planning and scheduling such as 4D CAD, the use of simulation tools for the design process in making management decisions during the operational phase and the use of these tools for management of risk during both phases. It also provides hands-on experience in the use of these techniques and tools for making management decisions during the constructional and operational phases of a building project. At the completion of the unit each student is expected to have demonstrated through the assessment tasks: a good understanding of the theoretical bases for both the simulation and strategic decision models; an ability to arrive at optimum decisions for construction scheduling and the management of the facilities by selecting and using the appropriate quantitative and qualitative tools; and an ability to develop simulation and optimization models for applications within their area of interest. Student workload
effort expected: Contact hours three hours per week; class preparation
1 hour per week; assessment preparation 39 hours per semester

DESC9090
Audio Systems and Measurement
Credit points: 6 Teacher/Coordinator: Assoc Prof. Bill Martens/Mr Scott
Willsallen Session: Semester 2 Classes: Three hours per week lectures and
lab. Assumed knowledge: DESC9138 Assessment: Laboratory, project
Mode of delivery: Normal (lecture/lab/tutorial) Day

Students will learn to make and understand a wide range of acoustical
and electroacoustical measurements, assessed through laboratory work;
students will learn major aspects of sound system design, assessed through project work; students will work in small groups in
laboratory and project work; Audio Systems and Measurement will
develop knowledge and practical skills in electroacoustics; and the
laboratory and project work will extend thinking and personal skills,
so that students can apply the unit content to new situations.

Upon completing Audio Systems and Measurement, students will be
expected to understand the implementation and limitations of a wide
range of acoustical measurement techniques, such as sound pressure,
sound intensity, sound power, source directivity, reverberation,
telligibility, echo interference, subjective quality, and component
distortion. Students will also be expected to be able to design sound
reinforcement systems, and to model system performance using
various theoretical techniques.

DESC9092
3D Animation 1
This unit of study is not available in 2010
Credit points: 6 Session: Semester 1, Semester 2 Classes: Three hours
computer lab per week. Prerequisites: DESC9019 Prohibitions: DECO3006
Assessment: assessable class tutorials and stage submissions of the final
project involving design and implementation of animation. Mode of delivery:
Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Enrolment numbers
limited by teaching resources. If your attempt to enrol online is unsuccessful
please seek permission from the Faculty of Architecture, Design and Planning
Student Administration Centre. First preference to students in the Design
Computing or Digital Media stream. This unit will only run in semester 2 subject
to demand. 2009 is the final year of offer for this unit.

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
storyboarding 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 day intensive Assessment: Two assignments (50% each) Mode
of delivery: Block Mode

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.

Textbooks

DESC9112
Service Provision
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: S1 Intensive
Classes: 4 day intensive Prerequisites: DESC9048 Assessment: Two
assignments (50% each) Mode of delivery: Block Mode

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
innovative contracting will need to be considered and in this respect
the FMA Contracting Guidelines will be considered. Change
management is needed in moving from one form of servicing to
another.

Textbooks

DESC9113
Computer Aided Facility Management
This unit of study is not available in 2010
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 have to be assessed, and systems
produced to ensure that the correct data is collected, stored correctly,
and up-dated. Currently an international communications protocol for
building information transfer and sharing (ifc) is being promoted, and
is likely to radically modify and ease facility management in the future.
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,
drawn information the necessary systems become more complex.

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.

Textbooks
The objectives 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, reverb 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:** Dr Densil Cabrera /Mr Neville Theile  
**Session:** Semester 2  
**Classes:** Three 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 effects and the use of high-level software packages to generate, manipulate and analyse sounds.

**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 in the Audio or Digital Media streams.

The objectives of this unit are to introduce essential sound design concepts including editing, synchronisation, rhythm and audiovisual counterpoint; to provide an overview of the sound design for visual media process including development an understanding of the practical impact of film ‘factory’, radio and television broadcasting production antecedents on the design language; to learn skills in track-laying, 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 current computer-based tools and techniques available to the sound designer; and develop technical and conceptual skills in pre-production, general production modes in broadcasting and multimedia.

**DESC9117 Sound Design for New Media**

**Credit points:** 6  
**Teacher/Coordinator:** Assoc Prof Bill Martens/Mr Michael Bates  
**Session:** Semester 2  
**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:** 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.

**DESC9133 Architectural Acoustics Practice**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Densil Cabrera /Rob Bullen  
**Session:** Semester 2  
**Classes:** Three lectures (3 hours each) three laboratory sessions (3 hours each)

**Assumed knowledge:** DESC9138  
**Assessment:** Two projects - one theoretical and one practical.  
**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 in the Audio or Digital Media streams.

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 and Acoustics Seminar
Credit points: 6
Teacher/Coordinator: Dr Densil Cabrera/Assoc Prof Bill Martens
Session: Semester 1, Semester 2
Classes: 1 hour seminar and individual supervision x 13 weeks
Prerequisites: DESC9090 or DESC9133
Assumed knowledge: DESC(9138 and 9011)
Assessment: Students will be required to do a small scale research project, which may be laboratory or studio based. This project will be presented in the seminar, and submitted with accompanying written report.
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 completing 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: Dr Densil Cabrera/Mr Michael Bates
Session: Semester 1
Classes: 1 hour seminar + 3 hours per week lectures, computer laboratories, studio sessions
Assessment: Written test / Project / Seminar / Assignment
Mode of delivery: Block Mode

Note: Permission required unless enrolled in the Audio and Acoustics stream.
Enrolment numbers limited by teaching resources. First preference to Sustainable Design students. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

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 by way of lectures, practical demonstrations and 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 data management and archiving.

DESC9136
Music Technologies
Credit points: 6
Teacher/Coordinator: Assoc Prof Bill Martens/Mr Michael Bates
Session: Semester 2
Classes: 3 hours per week 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

Note: Enrolment numbers limited by teaching resources. First preference to students in the Audio stream. If your attempt to enrol online is unsuccessful please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

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.

A range of concepts and practices will be examined including: the implications of non-linear recording technologies on music composition, sound design and studio production practices; 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 for 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: Assoc Prof Bill Martens/Mr Michael Bates
Session: Semester 1
Classes: Three hour seminar per week
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

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

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: Three hours seminar per week
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: Prof Richard de Dear Session: S1 Intensive Classes: 5 day intensive
Assessment: Written assignments
Mode of delivery: Block Mode

Note: Enrolment numbers limited by teaching resources. First preference to Sustainable Design students. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

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
The aims of this unit are to develop an understanding and knowledge of 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: Prof Richard Hyde and A/Prof Richard de Dear

Session: S2 Late Int

Classes: 5 day intensive

Assessment: Written assignment, project

Mode of delivery: Block Mode

Note: Enrolment numbers limited by teaching resources. First preference to Sustainable Design students. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

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: Prof Richard Hyde and A/Prof Richard de Dear

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: Prof Richard Hyde and A/Prof Richard de Dear

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 Richard de Dear  
**Session:** S1  
**Intensive Classes:** 5 day intensive  
**Assessment:** Assignments  
**Mode of delivery:** Block Mode

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**

**Credit points:** 6  
**Teacher/Coordinator:** Prof Warren Julian  
**Session:** S1 Late  
**Int Classes:** Intensive  
**Assumed knowledge:** Lighting design fundamentals  
**Mode of delivery:** Block Mode

This is a studio-based program of advanced lighting design conducted by experienced practicing lighting designers. Application of lighting knowledge to the design of a lighting solution and its presentation in a form suitable for non-expert clients. The student will learn how lighting design is conducted in a studio environment, from the brief, to understanding site conditions, to preliminary design, to the final design and client presentation skills.

**DESC9153 Graduate Internship**

**Credit points:** 6  
**Teacher/Coordinator:** Relevant Program Coordinator  
**Session:** Semester 1, Semester 2  
**Classes:** Fieldwork  
**Assumed knowledge:** Sufficient coursework to undertake guided professional work  
**Mode of delivery:** Professional Practice  
**Assessment:** Log book signed by practice supervisor and 2000 word report on the benefits of the internship; pass/fail only.

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 produced. 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**

**Credit points:** 6  
**Teacher/Coordinator:** Prof Warren Julian  
**Session:** S1  
**Intensive Classes:** Intensive  
**Prerequisites:** 24 credit points  
**Assumed knowledge:** Lighting design fundamentals  
**Assessment:** Four assignments of equal value  
**Mode of delivery:** Block Mode  
**Note:** Graduate Diploma or Masters only. This unit of study is offered in even numbered years only.

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. Content: types of software including product design, photometry, etc but emphasizing interior and exterior lighting design. Data formats. Availability of data. Exporting and importing (eg with AutoCAD). Basics of AGI and exterior software. Workshops and tutorials. Objectives and learning outcomes: 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.

**DESC9160 Lighting Photography**

This unit of study is not available in 2010  
**Credit points:** 6  
**Teacher/Coordinator:** 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 lighting 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**

This unit of study is not available in 2010  
**Credit points:** 6  
**Teacher/Coordinator:** Prof Warren Julian  
**Session:** S2 Late  
**Int Classes:** Intensive plus theatre workshops  
**Assumed knowledge:** fundamentals of lighting  
**Assessment:** Preparation of a lighting design for a performance  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**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

This unit of study is not available in 2010
Credit points: 6
Teacher/Coordinator: Prof Warren Julian
Session: S2 Late
Classes: Lectures and demonstrations in intensive mode
Prohibitions: DESC (9072 or 9166)
Assessment: 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; reflectors; refractors 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

Credit points: 12
Teacher/Coordinator: Prof Warren Julian
Session: S1 Intensive
Classes: Lectures and studio in intensive mode
Prohibitions: DESC9064
Assessment: 5 assignments (3 x 16.7 per cent and 2 x 25 per cent)
Mode of delivery: Block Mode

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. 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; appraisals; codes of practice; economics; maintenance; integration of daylight and electric light. More advanced methods of interior lighting design follow, 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. Outcomes: the student will be able to design simple and complex interior lighting using manual and computer-aided methods. 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

This unit of study is not available in 2010
Credit points: 6
Teacher/Coordinator: Prof Warren Julian
Session: S1 Late
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 X,Y, L* A*, B*, Luv, correlated colour temperature, colour rendering indices); the integrating sphere; gonio photometry; 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

This unit of study is not available in 2010
Credit points: 6
Teacher/Coordinator: Prof Warren Julian
Session: S1 Late
Classes: Lectures in intensive mode
Prohibitions: DESC9085
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 complex 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: the 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; lightness 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
This unit of study is not available in 2010
Credit points: 6 Teacher/Coordinator: 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 practices 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
Credit points: 6 Session: S1 Intensive Classes: Lectures in intensive mode. Prohibitions: DESC9106 Assessment: Design or research study Mode of delivery: Block Mode
Note: This unit of study is offered in even numbered years only.

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; and outline the issues involved in integration of daylight and electric lighting.

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; and economics of daylight including electric light supplementation.

DESC9170
Services Control Systems
This unit of study is not available in 2010
Credit points: 6 Teacher/Coordinator: Mr Alan Obrant Session: S2 Intensive Classes: Lectures and demonstrations in intensive mode. Prohibitions: DESC9087 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: Block Mode
Note: Department permission required for enrolment.

The unit will provide knowledge of electric control circuits and electric and pneumatics 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
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 with the building 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: 4 day intensive. Prohibitions: DESC9088 Assessment: Two assignments each at 50%. Mode of delivery: Block Mode
This unit will examine the objectives of both private and public mass rental housing providers and consider the role that the built assets
play. Buildings per se are a means to an end, as well as a 'product' in their own right. They involve a very large capital commitment, thus represent a large proportion of the owners asset base. The assets suffer degradation from wear and tear over time that needs to be controlled. The mechanics of maintenance, and the background systems that have to be put in place in order to keep this aspect of operations under control will be considered. The role of Asset Registration, Condition Registration and Maintenance Schedules will be studied. Successful students will be able to structure and implement Management Information Systems from asset registration through condition and maintenance schedules, and be able to demonstrate an ability to create a structured asset register, and to identify key areas to include condition, and maintenance task schedules, and so be able to map future capital expenditures to maintain the building 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.

DESC9183 
Risk Management 
Credit points: 6 Teacher/Coordinator: Dr David Leifer Session: S2 Intensive Classes: 24 hrs in intensive mode Assessed knowledge: DESC9047 
Assessment: Two assignments weighted 50% each. The first being formative, the second summative. Mode of delivery: Block Mode 
At the end of the unit successful students will: have an ability to undertake a risk identification study to AS4360:2004; 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 mitigation strategy. The major area of the unit covers OH&S. This requires the student to 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: contact hours: 24 hrs in intensive mode; class preparation: 16 hours per semester; assessment preparation: 56 hours per semester.

DESC9185 
Structural Synthesis Models 
Credit points: 6 Teacher/Coordinator: Dr David Gunaratnam Session: Semester 1 Classes: One hour lecture and two hours computer lab per week. 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 demonstrated through the assessment tasks: a good 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 of study to its program: Core unit for the Building Stream.

Student workload effort expected: contact hours 3 hours per week; class preparation 1 hour per week; assessment preparation 39 hours per semester.

DESC9191 
Building Acoustics and Noise Control 
Credit points: 6 Teacher/Coordinator: Dr Densil Cabrera/Mr Alan Obrart Session: S1 Late Int Classes: Five days intensive. Assumed knowledge: Undergraduate architecture or engineering degree. Assessment: One Assignment (100%). Mode of delivery: Block Mode 
This unit investigates the attenuation and control of noise generated by mechanical building services systems. This will impart in students an understanding of the basics of sound transmission; sound pressure and power; and the fundamentals of the human auditory response. Students will further have an awareness of the statutory noise control requirements, current standards and sources of data. Moreover, students will obtain an ability in design and selection of acoustic treatment methods to meet those statutory requirements.

At the successful completion of this Unit students will have an awareness of the statutory noise control requirements, current standards and sources of data; an understanding of the fundamentals of the basics of sound transmission; sound pressure and power; and human auditory response; and an ability in design and selection of acoustic treatment methods to meet those statutory requirements.

DESC9192 
Energy Code Compliance in Buildings 
Credit points: 6 Teacher/Coordinator: Mr Alan Obrart Session: S2 Late Int Classes: Four days intensive. Assumed knowledge: Undergraduate architecture or engineering degree. Assessment: One Assignment (100%) Mode of delivery: Block Mode 
The aim of this unit of study is to impart an understanding of the regulatory framework that applies to the energy efficient design of commercial buildings in Australia. Students will examine the energy provisions of the Building Code of Australia (Section J), and an understanding of selected approved energy modelling tools. Students will gain an ability to source necessary data.

At the successful completion of this course students will have an understanding of the 'deemed-to-satisfy' prescriptive provisions of Section J of the Building Code of Australia with respect to mechanical/electrical services, building fabric, sealing and insulation, cooling and heating; an understanding of verification methods requiring energy modelling; hands-on experience of two computer building energy simulation programs; and an understanding of the design process in order to fulfil the requirements of the code.

IDEA9101 
Experimental Interfaces Laboratory 
This unit of study is not available in 2010 
Credit points: 6 Teacher/Coordinator: Dr Rob Saunders Session: Semester 1 Classes: 3 hrs/wk Corequisites: IDEA9102 Assessment: 3 x technical exercises, involving design, implementation (40%), presentation (20%), and technical documentation (40%) Mode of delivery: Normal (lecture/lab/tutorial) Day 
Note: This unit is offered in odd numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

The aim of this unit of study is to support IDEA9102 Installation Studio concerned with interaction, using installation as the experimental interface. The studio encompasses a wide array of advanced, sensor-based interfaces for responsive environments. It supports the learning of important technical skills required to develop the hardware and software necessary for experimenting with sensor-based interfaces. This workshop will provide a framework for students to learn new technical skills and integrate processes from human-computer interaction, multimedia, and advanced sensor technologies within the
context of a series of practical exercises. These skills and processes will support the students in designing prototypes of experimental interfaces on a human scale to produce performative architectures, and responsive environments.

Through a series of exercises, students will develop both the hardware and the software for responsive environments. The aim of these exercises is to provide students with an introduction to the technological platforms available for building advanced, sensor-based interfaces. Through these exercises, students will gain an understanding of the challenges and possibilities of designing interactive installations.

IDEA9102
Installation Studio
This unit of study is not available in 2010
Credit points: 12 Teacher/Coordinator: Dr Rob Saunders Session: Semester 1 Classes: Six hours per week Corequisites: IDEA9101 Assessment: Participation 15%, technical competency & idea proposal demonstration: 15%, research report and design process documentation: 25%, design major project and exhibition: 50% Mode of delivery: Normal (lecture/lab/tutorial) Day Note: This unit is offered in odd numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

The aim of this unit of study is to explore interaction, using installation as the interface. This investigates the relationship between our environments, bodies and technologies in a practice-led fashion. It evolves a discourse on the next generation of mixed-media installations, involving their history, their evolution, and their cultural context. This studio will provide a platform for students to integrate knowledge of interaction design, multimedia, and advanced sensor technologies within the context of installation art and design. Students will have the opportunity to develop in-depth knowledge through practice by developing prototypes of experimental interfaces on a human scale. These prototypes will culminate in the form of a performance or an installation, producing performative architectures, and responsive environments.

The aim of this design process is to explore the potential for responsive, adaptive and proactive spaces that enhance our relationship with our environment and extend our social interactions. The focus will be on designing for human activities where humans are represented as avatars in interactive, functional, multi-user environments. Students will learn to design an interactive virtual world for a specified activity; to create and compose the 3D models that comprise the world; to programme the behaviours of the avatars in the virtual world; to critically read research papers; to develop an experimental study on the created virtual world that analyses the behaviour of the avatars.

IDEA9104
Cyber Studio
Credit points: 12 Teacher/Coordinator: Dr Xiangyu Wang and Dr Andy Dong Session: Semester 1 Classes: Six hours per week Corequisites: IDEA9103 Assessment: Participation: 15%, technical competency & idea proposal demonstration: 15%, design process documentation: 25%, design major project and exhibition: 50% Mode of delivery: Normal (lecture/lab/tutorial) Day Note: This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

The aim of this unit of study is to explore interaction, using the virtual world as the interface. Students will develop an understanding of the unique characteristics of designing in and for virtual worlds, taking into consideration the different types of activities that take place in virtual worlds and how avatars move, talk, and interact in virtual worlds. The associated lab introduces design principles and styles, along with virtual world software platforms and their related 3D modelling tools. A range of virtual worlds design styles will be considered with respect to the intended use of the virtual world: collaboration, entertainment, socialising and education. The focus will be on designing for human activities where humans are represented as avatars in interactive, functional, multi-user environments. Students will learn 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; to critically read research papers; to develop an experimental study on the created virtual world that analyses the behaviour of the avatars.

IDEA9105
Human Computer Interaction
Credit points: 6 Teacher/Coordinator: Dr Martin Tomitsch Session: Semester 1 Classes: One hour lecture and two hours tutorial per week Assessment: Weekly tutorial submissions (30%), individual design project submission (40%), exam (30%) Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit is a foundation unit that provides a theoretical perspective on the concept of interaction within the Interaction Design and Electronic Arts (IDEA) stream. The aim of this unit of study to introduce Human Computer Interaction (HCI) design principles and methods. It introduces students to valuable tools, techniques, and sources of information about HCI and provides a systematic approach to the design and evaluation of alternative ways in which people interact with various types of computational environments. The unit increases awareness of good and bad design through observation of existing technology, and teaches the basic skills of task analysis, and analytic and empirical evaluation methods. Students will learn to apply knowledge of HCI theory and processes by conducting a case study to different types of interfaces; to critically read and examine research papers; to develop an experimental study on one developed or existing human-computer interface; to analyse the interface issues and effectiveness using HCI evaluation techniques.

IDEA9106
Design Thinking
Credit points: 6 Teacher/Coordinator: Dr Paul Murty Session: Semester 1 Classes: One hour lecture, two hours seminar per week Assessment: 3 x 3000 word essays and oral presentation (75%); participation in class activities and student blog (25%) Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit aims to enable students to develop: 1) A fuller awareness of designing, as both a complex cognitive activity, by which a designer learns and integrates knowledge and skills, and a dynamic process of situated practice in which a designer, by intentional acts and unexpected discoveries, develops individual designery ways, 2) A greater capacity to reflect upon their own designing, 3) A deeper understanding of how their activities, both as a practitioner in a particular discipline and as an individual, may be compared and contrasted with other disciplines and other practitioners, and 4) Insights into how they may advance their development as a practitioner. The
IDEA9201
Physical Computing Laboratory

This unit of study is not available in 2010

Credit points: 6 Teacher/Coordinator: Dr Andrew Vande Moere Session: Semester 2 Classes: Three hours per week Corequisites: IDEA9202 Assessment: Participation: 15%; summative technical competency tasks: 85% Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: This unit is offered in odd numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

The aim of this unit of study is to support IDEA9202 Devices Studio concerned with interaction, using devices as the interface. This studio encompasses a wide array of physical computing devices (wearable, mobile, portable, tangible ‘things’ in which the computational technology is embedded in the device or artefact). The lab teaches students technical skills for the development of physical computing devices, such as object-oriented real-time responsive audio-visual programming environments (e.g. Max/ASP or Processing). In the lab, students will foster their conceptual and skill knowledge necessary for the implementation of ideas borne out in the studio. Hence it will support a number of modes for visual, sonic, textile or material expression of ideas.

IDEA9202
Device Studio

This unit of study is not available in 2010

Credit points: 12 Teacher/Coordinator: Dr Andrew Vande Moere Session: Semester 2 Classes: Six hours studio per week Corequisites: IDEA9201 Assessment: Participation: 15%; technical competency & idea proposal demonstration: 15%; design process documentation: 20%; design major project and exhibition: 50% Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: This unit is offered in odd numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

The aim of this unit of study is to explore interaction, using miniature devices as the interface. This encompasses a wide array of physical computing devices, such as wearable, mobile, portable or tangible furniture, garments, jewellery or other artefacts in which computational sensor and actuator technology is embedded. Everyday objects that are able to analyse, respond and mediate our user experience are rapidly permeating the expression, monitoring, customisation and personalisation of professional, industrial, personal and daily activities. This studio will investigate a number of modes for the multi-sensory expression of ideas. The kinds of information represented may range from personal to social and external, for applications ranging from entertainment to health. The studio is offered biennially in odd-numbered years: each time it will revolve around a socially relevant theme. Students will use various computing technologies including sensors, microprocessors and actuators to facilitate the design and development of novel, innovative applications that imbue intelligence, responsiveness and interaction in small-sized physical objects that can be manipulated, worn, used, watched, listened to, in order to communicate physically (in digital or analogue material ways) the message of the interaction.

IDEA9203
Time-Based Media Laboratory

Credit points: 6 Teacher/Coordinator: Dr onacloV Session: Semester 2 Classes: Three hours per week Corequisites: IDEA9204 Assessment: Participation: 15%; summative technical competency tasks: 85% Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

The aim of this unit of study is to support IDEA9204 Screen Studio concerned with interaction, using screen as the interface. The studio aims to present the principles of narrative and language as metaphors for discursive interfaces. This supporting lab develops competence in working with time-based media including digital video production, editing, post-production, special effects, real-time video processing, and text analysis.

IDEA9204
Screen Studio

Credit points: 12 Teacher/Coordinator: Dr onacloV Session: Semester 2 Classes: Six hours studio per week Corequisites: IDEA9203 Assessment: Participation: 15%; technical competency & idea proposal demonstration: 15%; design process documentation: 20%; design major project and exhibition: 50% Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to IDEA, Digital Media and Design Computing students.

The aim of this unit of study is to explore interaction, using the screen as the interface. The unit aims to present the principles of narrative and language as metaphors for discursive interfaces. Students will produce interactive digital video and/or video art, which combine multiple screen-based platforms and the viewer(s) as (an) active part of the video work. The works will be informed by theories drawn from film theory and linguistics. The technical aspects of working with time-based media including digital video production, editing, post-production, special effects, real-time video processing, and text analysis are developed in the associated lab.

IDEA9205
Art, Technology and Culture

Credit points: 6 Teacher/Coordinator: Dr onacloV Session: Semester 2 Classes: Three hours per week Assessment: Class/online blog discussion (30%), written essay (40%), concept proposal (30%) Mode of delivery: Normal (lecture/lab/tutorial) Day

Objectives include the development of a deeper understanding of the complex interactions between modern technology, visual art and electronic art forms, and the conceptualisation and formulation of the issues arising from these interactions in the creative design process.

The unit of study sets out as an investigatory process, investigating a set of artistic, cultural, and social practices that both constitute and reflect the theoretical foundations of art, culture, and technology. The investigation is shaped and structured as a platform for discussions, readings, screenings, exhibition viewings, concept proposals and presentations.

The students’ investigatory process is grounded in a wide set of readings, including cultural studies, art history and theory and visual culture. This theoretical discourse is extended and provoked by a wide collection of materials and screenings, originating from visual artworks, electronic art, experimental film and video, live performance and interactive design artworks.

IDEA9301
Graduation Studio

Credit points: 12 Teacher/Coordinator: Dr Andrew Vande Moere Session: Semester 1, Semester 2 Classes: Studio six hours per week Prerequisites: 48 credit points including 24 credit points from IDEA (9102, 9104, 9202 or 9204) Corequisites: IDEA (9101, 9103, 9201 or 9203) Assessment: Participation: 15%; technical competency & idea proposal demonstration: 15%; design process
Reflection, Presentation and Documentation (80%). Mode of delivery:

Corequisites: required for the award of the Master of Interaction Design and Electronic Arts

Note: IDEA9302 IDEA Research Project and IDEA9303 IDEA Dissertation are required for the award of the Master of Interaction Design and Electronic Arts with honours. The two units are not assessed separately, as a single result is given for the combined project and dissertation. Admission to this unit is merit-based and requires a Weighted Average Mark (WAM) of at least 75.

The appointment of a supervisor depends on the research topic chosen for the dissertation by the student.

On the successful completion of this unit, students will have demonstrated an ability to undertake this project in an independent way, incorporating all technical and theoretical aspects appropriate and related to the previous units of study taken, and an ability to communicate and present their ideas embedded in the appropriate theoretical foundation.

A research thesis should be 15,000 to 25,000 words in length, or equivalent in the form of software programming, hardware development or any other artefacts that can be construed as research. The research project and dissertation will be assessed by a minimum of two independent academic examiners on the merits of its underlying design rationale or original conceptual thinking, its implementation in the form of software, hardware, theoretical discourse or other physical manifestation, while the dissertation is assessed on its design rationale, empirical evaluation, analysis or description within related theories or critical reflection, and the presentation, using appropriate visual, written, verbal and multimedia presentation techniques.

IDEA9302 Research Project and IDEA9303 IDEA Dissertation are required for the award of the Master Interaction Design and Electronic Arts with honours. The two units are not assessed separately, as a single result is given for the combined project and dissertation. Admission to this unit is merit-based and requires a Weighted Average Mark (WAM) of at least 75.

The appointment of a supervisor depends on the research topic chosen for the dissertation by the student.

On the successful completion of this unit, students will have demonstrated: an ability to develop a theoretical, practice-based or research project in the field of Interaction Design or Electronic Arts; an ability to undertake this project in an independent way, incorporating all technical and theoretical aspects appropriate and related to the previous units of study taken, and an ability to communicate and present their ideas embedded in the appropriate theoretical foundation.

A research thesis should be 15,000 to 25,000 words in length, or equivalent in the form of software programming, hardware development or any other artefacts that can be construed as research. The research project and dissertation will be assessed by a minimum of two independent academic examiners on the merits of its underlying design rationale or original conceptual thinking, its implementation in the form of software, hardware, theoretical discourse or other physical manifestation, while the dissertation is assessed on its design rationale, empirical evaluation, analysis or description within related theories or critical reflection, and the presentation, using appropriate visual, written, verbal and multimedia presentation techniques.

IDEA9311 Research Internship

Credit points: 12 Teacher/Coordinator: Dr Andrew Vande Moere Session: Semester 1, Semester 2 Classes: Individual supervision 1 hour per week. Prerequisites: 48 credit points including 24 credit points from IDEA(9102, 9104, 9202 or 9204) and a WAM of at least 75 Corequisites: IDEA9303 Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: IDEA9302 Research Project and IDEA9303 IDEA Dissertation are required for the award of the Master Interaction Design and Electronic Arts with honours. The two units are not assessed separately, as a single result is given for the combined dissertation and project. Admission to this unit is merit-based and requires a minimum Weighted Average Mark (WAM) of 75. MIDEA students only.

IDEA9302 Research Project and IDEA9303 IDEA Dissertation are required for the award of the Master Interaction Design and Electronic Arts with honours. The two units are not assessed separately, as a single result is given for the combined thesis and project. Admission to this unit is merit-based and requires a minimum Weighted Average Mark (WAM) of 75.

The appointment of a supervisor depends on the research topic chosen for the dissertation by the student.

On the successful completion of this unit, students will have demonstrated: an ability to develop a theoretical, practice-based or research project in the field of Interaction Design or Electronic Arts; an ability to undertake this project in an independent way, incorporating all technical and theoretical aspects appropriate and related to the previous units of study taken, and an ability to communicate and present their ideas embedded in the appropriate theoretical foundation.

A research thesis should be 15,000 to 25,000 words in length, or equivalent in the form of software programming, hardware development or any other artefacts that can be construed as research. The research project and dissertation will be assessed by a minimum of two independent academic examiners on the merits of its underlying design rationale or original conceptual thinking, its implementation in the form of software, hardware, theoretical discourse or other physical manifestation, while the dissertation is assessed on its design rationale, empirical evaluation, analysis or description within related theories or critical reflection, and the presentation, using appropriate visual, written, verbal and multimedia presentation techniques.

IDEA9303 IDEA Dissertation

Credit points: 12 Teacher/Coordinator: Dr Andrew Vande Moere Session: Semester 1, Semester 2 Classes: Individual supervision 1 hour per week Corequisites: IDEA9302 Assessment: Attendance, intermediate presentation (20%). Final dissertation: Design, Concept, Implementation, Evaluation or Reflection, Presentation and Documentation (80%), Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: IDEA9302 IDEA Research Project and IDEA9303 IDEA Dissertation are required for the award of the Master of Interaction Design and Electronic Arts with honours. The two units are not assessed separately - a single result is given for the combined project and dissertation. Admission to this unit is merit-based and requires a Weighted Average Mark (WAM) of at least 75.

This unit allows students to collaborate with a private partner on a project with a strong design research character. Such a project would typically not be connected to the direct commercial goals, require a certain degree of risk, and necessitates a level of technical and design expertise that is not available by the private partner. The program coordinator can choose to offer pre-approved client briefs from known external partners to interested students.

Students need to submit a written project proposal, detailing the academic supervisor, the outcomes and timeline of the internship, and the agreement from the private partner. The proposal must describe how the outcome of the internship will include the design and production of a design work that has a clear relationship to the skills and knowledge taught in at least one of the 4 M.IDEA studios. The total workload should reflect a 12 credit point unit of study in this degree.

At completion, the student must submit: a log book (physical or digital) of their internship activities; a written report describing the design rationale and the development structure, and an evaluation or reflection of the design work undertaken at the internship of at least 5000 words; a public exhibition of the work including appropriate documentation. The academic supervisor, the program coordinator and the private partner will jointly assess the work.

MARCC4001 Urban Architecture Research Studio

Credit points: 12 Teacher/Coordinator: Dr Peter Armstrong/Dr Lee Stickells Session: Semester 1, Semester 2 Classes: Six hours per week for 11 weeks
Assessment: Attendance; lecture and tutorial participation; staged exercises; developed design including research or technical report. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Note: This studio cannot be taken with MARC4002 or MARC4003. Students may incur materials costs in this unit.

The studio examines the nature of architecture in the urban context in terms of the internal and external parameters which act on the design process at incremental urban scales and intensities of use. The studio also examines the societal, financial, legislative and managerial framework which determines the envelope within which development may occur. The evolutionary nature of urban fabric and the historical processes acting on the urban form and on individual projects will be researched as a foundational process in the development of design projects as well as the evolving statutory environment. Each studio will require the presentation of a developed design project substantiated by a researched report defining the foundations on which the project rests.

MARC4001 Studio A Urban Architecture, MARC4002 Studio B Sustainable Architecture and MARC4003 Studio C Digital Architecture are all available in both semesters 1 and 2. Students may enrol or pre-enrol freely, but some will be asked to swap to create equal groups. After three semesters each student will have done each of the studios. The studios examine the relationships between architecture and urbanism; architecture and sustainability; and architecture and digital design. Each is based around one or more design projects which address a specialised area of study, supported by lectures and seminars which introduce the relevant theory, knowledge and design precedents. Studios require the investigation of key technical issues and systems, and their innovative integration in the design, with the preparation of appropriate contract documents. On the successful completion of these units, students will have demonstrated: an ability to formulate, interpret and communicate appropriate concepts derived from the study of brief and site; an ability to extend those starting points into a working design proposal; an ability to develop the design proposal in response to critique, and produce a building design which demonstrably embodies understanding of the principles associated with the specialised study area; an ability to communicate the design ideas effectively through appropriate graphic and three-dimensional means using architectural conventions; and an ability to cohesively design and execute a comprehensive presentation of the project. These units are core to the Master of Architecture.

Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARC4002 Sustainable Architecture Research Studio

Credit points: 12 Teacher/Coordinator: Dr Glen Hill/ Mr Daniel Ryan Session: Semester 1, Semester 2 Classes: Six hours per week for 11 weeks. Assessment: Attendance; lecture and tutorial participation; staged exercises; developed design including research or technical report. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Note: This studio cannot be taken with MARC4001 or MARC4003. Students may incur materials costs in this unit.

MARC4002 Studio B Sustainable Architecture will focus on the theories, technologies and techniques that promote the creation of a sustainable built environment. The studio projects will directly explore the interdependent issues of environmental, social and economic sustainability. The studio will prompt students to develop critical positions in regard to sustainability and to extend and explore those positions through the architectural design process.

MARC4001 Studio A Urban Architecture, MARC4002 Studio B Sustainable Architecture and MARC4003 Studio C Digital Architecture are all available in both semesters 1 and 2. Students may enrol or pre-enrol freely, but some will be asked to swap to create equal groups. After three semesters each student will have done each of the studios. The studios examine the relationships between architecture and urbanism; architecture and sustainability; and architecture and digital design. Each is based around one or more design projects which address a specialised area of study, supported by lectures and seminars which introduce the relevant theory, knowledge and design precedents. Studios require the investigation of key technical issues and systems, and their innovative integration in the design, with the preparation of appropriate contract documents. On the successful completion of these units, students will have demonstrated: an ability to formulate, interpret and communicate appropriate concepts derived from the study of brief and site; an ability to extend those starting points into a working design proposal; an ability to develop the design proposal in response to critique, and produce a building design which demonstrably embodies understanding of the principles associated with the specialised study area; an ability to communicate the design ideas effectively through appropriate graphic and three-dimensional means using architectural conventions; and an ability to cohesively design and execute a comprehensive presentation of the project. These units are core to the Master of Architecture.

Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARC4003 Digital Architecture Research Studio

Credit points: 12 Teacher/Coordinator: Dr Sarah Benton Session: Semester 1, Semester 2 Classes: Six hours per week for 11 weeks. Assessment: Attendance; lecture and tutorial participation; staged exercises; developed design, including research or technical report. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Note: This studio cannot be taken with MARC4001 or MARC4002. Students may incur materials costs in this unit.

MARC4003 Studio C Digital Architecture explores theories, media and techniques that involve digital mediation to create engaging architectural designs that stimulate all human senses in their relationship with the built environment. The studio addresses various issues of digital media, digital design techniques, design theories, computational concepts and other factors influencing the development of architectural production using digital tools. The studio prompts critical reflections on design conventions and creates novel design positions.

MARC4001 Studio A Urban Architecture, MARC4002 Studio B Sustainable Architecture and MARC4003 Studio C Digital Architecture are all available in both semesters 1 and 2. Students may enrol or pre-enrol freely, but some will be asked to swap to create equal groups. After three semesters each student will have done each of the studios. The studios examine the relationships between architecture and urbanism; architecture and sustainability; and architecture and digital design. Each is based around one or more design projects which address a specialised area of study, supported by lectures and seminars which introduce the relevant theory, knowledge and design precedents. Studios require the investigation of key technical issues and systems, and their innovative integration in the design, with the preparation of appropriate contract documents. On the successful completion of these units, students will have demonstrated: an ability to formulate, interpret and communicate appropriate concepts derived from the study of brief and site; an ability to extend those starting points into a working design proposal; an ability to develop the design proposal in response to critique, and produce a building design which demonstrably embodies understanding of the principles associated with the specialised study area; an ability to communicate the design ideas effectively through appropriate graphic and three-dimensional means using architectural conventions; and an ability to cohesively design and execute a comprehensive presentation of the project. These units are core to the Master of Architecture.

Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARC4101 Advanced Technologies 1

Credit points: 6 Teacher/Coordinator: Dr Peter Armstrong Session: Semester 1 Classes: 6 hours per week. Corequisites: MARC4001 or 4002
The unit introduces students to concepts, issues and techniques relating to the design of some advanced structural, construction and services systems, and the integration of these systems within the design decision making process. This unit has a modular structure and aims to give students the tools to initiate and develop their design intentions in relation to structural, construction and services technologies. The knowledge will move from an understanding of the nature and impact of materiality on the architectural design process through to the implementation of this knowledge in the practice of a professional architect through design, consultation and building processes. The unit aims to examine the foundation and structural systems of large scale public buildings, the construction of the elements of the external fabric and the impact on the design process of the anthropomorphic, environmental and engineering requirements of the internal spaces. The unit stresses the primacy of detailing, skills in the development of individual design processes, and the understanding of design principles of construction materials in relation to structural and environmental concerns. It also aims to develop an understanding of the impact of the BCA and relevant Australian Standards on the building interior and exterior. Knowledge required for the selection of strategies, systems, and integration of the systems for a variety of design situations, is assessed through case study assignments and an examination. This unit is core to the Master of Architecture. Contact hours: 6 hours per week (lecture and tutorial); student effort expected for an average student to achieve a pass level result: class preparation: 2 hours per week; assessment preparation: 30 hours per semester.

MARCC4102 Modern Architectural Theory

Credit points: 6 Teacher/Coordinator: Dr Ross Anderson Session: Semester 2 Classes: Two hours lectures and one hour tutorial per week. Prohibitions: ARCH6104, ARCH5048, ARCH5049 Assessment: There will be three principle assignment tasks: weekly written critical summaries of reading and lecture content plus formulation of questions intended to generate group discussion, one tutorial presentation, and one competently researched and referenced 3000 word paper on an individually selected topic that will be assessed both in its proposal stage and as a finished essay. Mode of delivery: Normal (lecture/lab/tutorial) Day

The objective of the Modern Architectural Theory unit is to equip students with a critical understanding of key Western architectural theories from the Enlightenment to the present. Emphasis is placed on the specific historical situations and cultural and philosophic contexts in which those theories arose, and ultimately how they were represented within the domain of architectural embodiment. It is organized predominantly as a chronological survey which clearly identifies particular trains of thought in their continuity and transformation throughout history. Students will become generally conversant in the principles of central theories, and will understand their terms and references. Through readings, lectures, and tutorial sessions, students will acquire the literacy required to perceive and articulate contemporary theoretical standpoints, and will refine their research and writing skills through independent research into a particular aspect of recent architectural theory and history related to their concurrent studio design project. Close attention will be paid to the exchange between practice and theory and the relevance of the discussed theories to the formation of current circumstances, and to the place of architecture within contemporary culture as a whole.

MARCC5002 Graduation Studio (Sustainable)

Credit points: 12 Teacher/Coordinator: Dr Glen Hill/ Mr Daniel Ryan Session: Semester 1, Semester 2 Classes: Six hours per week for 11 weeks. Prerequisites: MARC(4001, 4002 and 4003) Prohibitions: ARCH5201, MARFS201 Assessment: Attendance; lecture and tutorial participation; staged exercises; developed design including research report. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Students may incur materials costs in this unit.

This is the culminating studio of the Master of Architecture degree and provides students with the opportunity to develop a complex architectural project building on knowledge and skills gained from the preceding sustainable architecture studio. With permission, the theme may be of a student's own choice. The project will be supported by a comprehensive research report demonstrating independent exploration of relevant theories and issues raised during the design. This unit is core to the Master of Architecture. Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARCC5003 Graduation Studio (Digital)

Credit points: 12 Teacher/Coordinator: Dr Sarah Benton Session: Semester 1, Semester 2 Classes: Six hours per week for 11 weeks. Prerequisites: MARC(4001, 4002 and 4003) Prohibitions: ARCH5201, MARFS201 Assessment: Attendance; lecture and tutorial participation; staged exercises; developed design including research report. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Students may incur materials costs in this unit.

This is the culminating studio of the Master of Architecture degree and provides students with the opportunity to develop a complex architectural project building on knowledge and skills gained from the preceding digital architecture studio. With permission, the theme may be of a student's own choice. The project will be supported by a comprehensive research report demonstrating independent exploration of relevant theories and issues raised during the design. This unit is core to the Master of Architecture. Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARCC5004 Graduation Studio (Urban)

Credit points: 12 Teacher/Coordinator: Dr Peter Armstrong/ Dr Lee Stickells Session: Semester 1, Semester 2 Classes: Six hours per week for 11 weeks. Prerequisites: MARC(4001, 4002 and 4003) Prohibitions: ARCH5201, MARFS201 Assessment: Attendance; lecture and tutorial participation; staged exercises; developed design including research report. Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Students may incur materials costs in this unit.

This is the culminating studio of the Master of Architecture degree and provides students with the opportunity to develop a complex architectural project building on knowledge and skills gained from the
preceding urban architecture studio. With permission, the theme may be of a student’s own choice. The project will be supported by a comprehensive research report demonstrating independent exploration of relevant theories and issues raised during the design. This unit is core to the Master of Architecture. Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

**MARC5101 Advanced Technologies 2**

*This unit of study is not available in 2010*

**Credit points:** 6  
**Teacher/Coordinator:** Dr David Gunaratnam  
**Session:** Semester 1  
**Classes:** 6 hours per week  
**Corequisites:** MARC(4001 or 4002 or 4003)  
**Prohibitions:** ARCH4203  
**Assessment:** Case study reports and examination  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
**Note:** This unit is offered in odd numbered years only and alternates with MARC4101.

The unit introduces students to concepts, issues and techniques relating to the design of more advanced and complex structural, construction and services systems. It explores in depth the integration of these systems within the design decision making process. This unit also has a modular structure and aims to give students the ability to realize their design intentions initially in the studio projects of the degree; to understand the nature and impact of materiality on the architectural design process; and then in subsequent practice, to provide the basis for the development of technical and design skills required of a professional architect. This unit reviews the recent developments and trends in the design of more advanced structural systems for buildings, including those inspired by nature, and explores the nature of both the building fabric and, the environmental and management systems which enable the building to function in a complex and changing urban environment. Students are expected to research alternative structural, environmental and construction systems that satisfy the aesthetic requirements of their design and to evaluate them based on clearly articulated decision criteria. Knowledge required for the selection of strategies, systems, and the integration of the systems for a variety of design situations, is assessed through case study assignments and an examination. This unit is core to the Master of Architecture. Contact hours: 6 hours per week (lecture and tutorial); student effort expected for an average student to achieve a pass level result: class preparation: 2 hours per week; assessment preparation: 30 hours per semester.

**MARC5102 Contract Documentation**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Peter Armstrong  
**Session:** Semester 2  
**Classes:** Three hours per week  
**Corequisites:** MARC(4001, 4002, 4003, 5001 or 5201)  
**Prohibitions:** ARCH4103  
**Assessment:** Preparation of a case study of basic and advanced 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 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 semester studio; 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 Master of Architecture.

Contact hours: 3 hours per week. Class preparation and assessment preparation: 39 hours per semester.

**MARC5201 Management in Architecture**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Peter Armstrong  
**Session:** Semester 2  
**Classes:** Three hours per week  
**Prohibitions:** ARCH4201  
**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.

**MARC6101 Performance Based Modelling in Design**

**Credit points:** 6  
**Teacher/Coordinator:** Dr David Gunaratnam and Professor Richard Hyde  
**Session:** Semester 1  
**Classes:** Three hours per week lecture and lab  
**Corequisites:** MARC(4001,4002, 4003, 5001 or 5201)  
**Assessment:** One assignment linked to the design project. **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit aims to introduce students to selected state-of-the-art applications-software for performance-based modelling of buildings through simulation and optimisation of structural and environmental systems. It provides hands-on experience in the use of these applications software for decision making at the conceptual stage of the design process. It provides a framework for integrating and optimally responding to the technical opportunities and constraints during the conceptual design phase. It will facilitate and extend students' capability to explore and develop novel innovative technical solutions in resolving their design problems.

At the completion of the unit each student is expected to have demonstrated through the assessment tasks a good understanding of the capabilities of the different research and applications software presently available; an ability to interpret the performance information and make conceptual design decisions; a good understanding of the theoretical bases for the features in the research and applications software; and an ability to develop design solutions that optimally integrates the technical aspects of design.

**MARC6102 3D Computer Design Modelling**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Sarah Benton  
**Session:** Semester 1  
**Classes:** Lectures: 1 hour/week, tutorials 2 hours/week  
**Assessment:** Exercises Weeks 1-10 (60%) Final Portfolio Weeks 11-13 (40%)  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

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MARC6201 Design as Social Practice
Credit points: 6 
Teacher/Coordinator: Associate Professor Anna Rubbo
Session: Semester 2 
Classes: Two hours seminar per week intensive component.
Prerequisites: DAAE2002 or by permission
Prohibitions: DAAE2003
Assessment: Assignment; seminar presentation; fieldwork; paper.
Mode of delivery: Normal (lecture/lab/tutorial) Day

Through the study of selected building types and settings the unit aims to explore the ways in which cultural and social factors influence design, and how design can be inclusive of, and responsive to, a range of user groups. Buildings might be housing, educational, religious, and institutional or community buildings. The type and the approach will be introduced in lectures and seminars, and an understanding of the type gained through fieldwork using mixed mode research approaches taking into account the environmental context. It is intended that the building type and setting will vary each year the unit is offered. Through an increased capacity for critical analysis and interpretation, this research led learning unit will provide students with useful knowledge of the design of socially responsive and inclusive environments.

This elective unit will contribute to knowledge of design as a social practice, and provide an interdisciplinary learning setting in which to consider the design of the built environment. Design as Social Practice will enhance participants' capacity to analyse how social and cultural factors influence design, and how design can be socially responsive and inclusive. It is intended that students in other disciplines will develop a means of interpreting buildings that will enhance their appreciation of design as a social practice.

MARC6203 Architecture Workshop B
Credit points: 6 
Session: S2 Intensive
Classes: 40 hours intensive mode.
Assessment: Design jury.
Note: Department permission required for enrolment.

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. This unit is Pass/Fail. Contact hours: 40 hours intensive.

MARF5201 Honours Studio
Credit points: 12 
Session: Semester 1, Semester 2
Classes: Six hours per week for 11 weeks.
Prerequisites: 72 credit points with WAM of at least 80.
Corequisites: MARF5301 Prohibitions: MARC5001, MARC5002, MARC5003, MARC5004
Assessment: Attendance; lecture studio and tutorial participation; staged exercises; developed design including research report.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

On the basis of the student's own in-depth research, the Honours Studio develops a design project to a high level of resolution. The design project may be linked to research being carried out in the Honours Report unit of study. On the successful completion of this unit, students will have demonstrated: an ability to develop a design project arising out of, and grounded in, their own research; an ability to undertake a design project that incorporates all technical and theoretical aspects appropriate to that project; an ability to communicate and present the design ideas together with the theoretical ground for those design ideas using appropriate graphic, written, and verbal presentation techniques.

Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARF5301 Honours Report
Credit points: 6 
Session: Semester 1, Semester 2
Classes: Half hour per week with supervisor.
Prerequisites: 72 credit points with WAM of at least 80.
Corequisites: MARF5201 Prohibitions: ARCF5301 Assessment: Report; Report developed through design project; art project presented with supporting text or other by formal agreement. Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

The Honours Report allows Master of Architecture students to explore and research an area of architectural study in depth. Areas of research might include sustainability, urban design, digital media and design, architectural history, architectural theory, design science, and art in relation to architecture. The research may be developed through MARF5201 Honours Studio such that the design project forms part of the honours submission. The unit facilitates students completing the 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.) A copy of the report describing the outcome of
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 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.

PLAN9018 Planning Report

Credit points: 12  
Teacher/Coordinator: Dr Krishna Shrestha and Mr Martin Payne  
Session: Semester 1, Semester 2  
Classes: Independent study + 7 meetings  
Prerequisites: 48 credit points  
Prohibitions: ARCH9031, ARCH9060, ARCH9045, ARCH9046, PLAN9010, PLAN9011  
Assessment: Class participation 5%, proposal preparation and presentation 10%, final presentation 15%, report of between 10000 and 15000 words 70%  
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 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. The planning report is therefore 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 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 planning 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; present your findings in a way that demonstrates academic and professional competence.

A planning report 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 Report is subject to a satisfactory report proposal which must be approved by your supervisor by week 3 of semester. The planning report 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 Report. Note that only one submission is required for both Planning Report 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 Krishna Shrestha and Mr Martin Payne  
Session: Semester 1, Semester 2  
Classes: Independent study + 7 meetings  
Prerequisites: WAM of at least 75 and 48 credit points being the core requirements for the MURP  
Corequisites: PLAN9010 Assessment: Class participation 5%, proposal preparation and presentation 10%, final presentation 15%, dissertation of between 15000 to 25000 words 70%  
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 report 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 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.
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.

PLAN9045
Economic Tools and Community Development

Credit points: 6 Session: S2 Intensive Classes: 5 day intensive Assessment: Students will be assessed on the basis their ability to use key concepts and methods in undertaking practical projects. Assessment will be based on a student’s ability to: critically analyse 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: 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 students should be able to: critically review a cost-benefit analysis, a feasibility study, economic impact analysis and a social impact analysis; generate an economic development strategy for a region; analyse a regional planning policy; understand the social and economic impacts of tourism; apply theoretical concepts and methods to practical problem; think creatively and critically about planning issues; use the available computer and information technology; and apply technical skills in a sound and useful manner.

PLAN9048
Environmental Design and Planning

Credit points: 6 Teacher/Coordinator: Mr Martin Payne Session: S2 Late Int Classes: 4 days intensive Assessment: One report, 6000 - 7000 words (100%). Mode of delivery: Block Mode

The unit teaches knowledge and skills relevant to designing and planning the built environment. It engenders capability with designing buildings, places and urban form, having regard to a range of environmental design, planning and sustainability considerations.

The unit covers a range of related concepts and topics: designing for user comfort, quality built environment, and sustainability; key environmental design factors (air flow and ventilation; natural and artificial lighting; solar provisions; noise; energy efficiency, waste management etc); urban ecology and landscapes; natural environments and urban systems; innovative hydraulic systems; sustainable architectural and urban design; social dimensions of environmental design; lighting public places for safety, amenity and enclosure; designing secure and manageable public places; implementing ESD with instruments, guidelines and approvals; and environmental studies and development approval.

The key attributes engendered by the unit are: to be able to use concepts and methods in a sound and creative manner; to be able to solve relevant design problems; to be able to apply appropriate technical skills and knowledge; and to be able to produce appropriate reports and designs.

PLAN9049
Development Project Planning and Design

This unit of study is not available in 2010

Credit points: 6 Teacher/Coordinator: Paul Jones Session: S1 Late Int 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

Note: This unit is offered in odd numbered years only.

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 multilateral 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 plan making and the design 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 themes of: poverty, gender equity, environmental 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 Australian 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)

This unit of study is not available in 2010

Credit points: 6 Teacher/Coordinator: Mr Col James Session: S2 Intensive Classes: Intensive mode seminars and field trips Assessment: 2 assignments and report (assignment 1: 10%, Assignment 2: 80%) Mode of delivery: Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

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 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 investigation 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  
Teacher/Coordinator: A/Prof. Nicole Gurr

Session: S1 Intensive, S2 Intensive  
Classes: Four day intensive

**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 proposals; 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 Prof Mary-Lynne Taylor

Session: Semester 2  
Classes: 2hr lecture/wk  
Corequisites: PLAN9061  
Prohibitions: PLAN9021  
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: Two hours lectures and two hours seminar per week.  
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 studies, 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: Two hours lecture per week.  
Prohibitions: PLAN9028  
Assessment: Three reports and graphics, based on group work on a project, with individual submissions. Each equivalent to 2,000 to 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. (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
The unit enables students to understand how the main concepts and
different perspectives about the roles and purposes of planning;
different factors influencing environmental assessment; case study review of
undertake basic historical research about urban planning and
different methods; various roles of planning in managing urban growth
development issues; and prepare basic stories and arguments about
metropolitan planning and the roles of governments; infrastructure
practical planning issues. Students will be able to: critically review and
planning and urban form; differing perspectives on planned and natural
environmental growth and protecting the environment; and case study: planned metropolitan
demanding on key literature and other sources of
and preparing urban development plans.

**PLAN9065**

**Resource and Environmental Management**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Krishna Shrestha  
**Session:** Semester 1  
**Classes:** Seminars plus discussion 2hrs/wk  
**Assessment:** essay of 3,000 words (35%), case study report of 5,000 words (50%) and in-class presentation of case study report (10 mins) at the end of the semester (15%)  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aims of this unit are (1) to understand basic principles of environmental and resource management; (2) to apply principles of resource and environmental management in assessing the impacts of development activities and (3) to formulate strategies to address environmental and resource management issues and enhance environmental equity and sustainability, particularly with respect to conducting, managing and evaluating environmental impact assessments and addressing the issues of stakeholders participation in collaborative planning and management of environmental and natural resources. This unit is especially relevant to government agencies, community groups and other relevant stakeholders involved in environmental and resource planning and management at local, regional, state and national levels; to international conservation and environmental management organisations; and to consulting firms, including those that specialise in environmental assessment and management. Through lectures, case study analyses and discussions, this unit aims to enable students to explore and understand how political and economic processes at various scales can influence environmental and resource management decisions and outcomes at local and regional levels, affecting the nature and extent of social and ecological outcomes in relation to moving towards achieving sustainable environmental and resource management.

**PLAN9067**

**Metropolitan Planning**

**Credit points:** 6  
**Teacher/Coordinator:** Mr Martin Payne and Ms Kimberly Everett  
**Session:** S1 Late Int  
**Classes:** 6 days intensive  
**Assessment:** Assignment one: 25%, assignment two: 30%, assignment three: 40%; readings: 5%  
**Mode of delivery:** Block Mode

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  
**Teacher/Coordinator:** Dr Krishna Shrestha and Mr Martin Payne  
**Session:** Semester 1  
**Classes:** 2 hrs/wk  
**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 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 overlay development controls over the built environment; and 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; students will be able to prepare case studies, which demonstrate understanding of various forms of development controls, and the ability to apply these to urban design proposals. Student workload effort expected: Contact hours two hours per week; class preparation two hours per week; assessment preparation 50 hours per semester.

**PLAN9069**

**Urban Design and Development Control**

**Credit points:** 6  
**Teacher/Coordinator:** Mr Martin Payne and Ms Kimberly Everett  
**Session:** Semester 1  
**Classes:** 2 hrs/wk  
**Assessment:** Reports, with supporting graphics.  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

Objectives: The unit aims to develop a professional standard of competence in the generation and implementation of urban design and development controls; and to demonstrate a critical and reflective awareness of the philosophies, concepts and practice of urban design and development control.

Content: The unit focuses on the development of design arguments, the translation of preferred design outcomes into development control codes, the legal framework of development controls and the preparation of development control reports.

Outcomes: Students should be able to prepare clear and concise development control plans, assess and report on the physical and social impact of alternative urban design and development control strategies, and prepare and evaluate design proposals. 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 overlay development controls over the built environment; and 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; students will be able to prepare case studies, which demonstrate understanding of various forms of development controls, and the ability to apply these to urban design proposals. Student workload effort expected: Contact hours two hours per week; class preparation two hours per week; assessment preparation 50 hours per semester.

**PLAN9071**

**Housing & Urban & Regional Development**

**Credit points:** 6  
**Teacher/Coordinator:** A/Prof. Nicole Gurran  
**Session:** S1 Late Int  
**Classes:** Four days intensive  
**Prohibitions:** ARCH9057

**Assessment:** Two assignments (50% each)  
**Mode of delivery:** Block Mode

This unit introduces 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 focuses on emerging themes in housing and urban development, and develops practical skills in designing strategic planning, policy, and project based responses to encourage more affordable, appropriate and environmentally sustainable housing outcomes for urban and regional Australia. By the end of this unit of study you should understand the basic structure and operation of housing markets; 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; and understand the
relationships between these policy objectives and the land use planning framework. Case studies and or a housing project development simulation forms the focus for much of the learning in this unit.

PLAN9072 Housing Policy and Assistance
Credit points: 6 Teacher/Coordinator: A/Prof. Nicole Gurran Session: S2 Late Int Classes: Four day intensive. Prohibitions: ARCH9056 Assessment: Two assignments (50% each). Mode of delivery: Block Mode

This unit focuses on emerging issues associated with the role of governments in housing, particularly 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 perspective 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 housing policy initiatives. Students will gain a comparative perspective on housing policy approaches using European and regional examples; and learn to analyse housing assistance needs and measures, including approaches for particular groups - for example housing for indigenous people and communities, housing models for people with support needs. The anticipated outcomes of the unit are to provide a conceptual framework for understanding the rationale for, and scope of, government intervention in housing; and to develop skills in developing and implementing policies that assist lower income earners and those with particular needs to access appropriate and affordable housing.

PLAN9073 GIS Based Planning Policy and Analysis
Credit points: 6 Teacher/Coordinator: Prof Alan Peters Session: Semester 2 Classes: lectures, studios and workshops 2 hrs/wk Assessment: Assignments, report, oral presentation Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit is concerned with using GIS to analyse planning problems and undertake policy analyses. The unit will include a comprehensive introduction to mapping and the use of GIS: data structures, topology, projections, spatial and non-spatial queries. Australian census products will be described and students will be expected to analyse census statistics using GIS maps. The role of GIS in coordinating various forms of information for policy analyses, preparing master plans, in presenting information for development control, impact analyses and wider management purposes will also be covered. The use of GIS to support visualisation will be covered, using examples about designing development projects and planning instruments. Finally, the various forms of distributing maps to the public and policy-makers will be discussed.

The unit integrates the hands-on learning of GIS software with a 'research-based' approach. Teaching will involve short lectures, studios and workshops. Assessment will be on a series of smaller assignments and a larger report prepared by each student that integrates GIS-based (and other) graphics into a coherent policy analysis. In addition, each student will make oral presentations on their work in studio sessions.

PLAN9074 Public & Community Finance for Planners
Credit points: 6 Teacher/Coordinator: Prof Alan Peters Session: S2 Intensive Classes: 4 day intensive Assessment: Three papers (30%, 30% and 40%). Mode of delivery: Normal (lecture/lab/tutorial) Day

This unit will cover the elements of public and community finance relevant to planners. The need for this unit has become more significant as planning policies shift from the regulatory towards direct engagement with the financial underpinnings of urban development.
18. Postgraduate coursework regulations

About this chapter

This chapter contains the regulations governing the postgraduate coursework degrees, diplomas and certificates in the Faculty of Architecture, Design and Planning.

These rules should be read in conjunction with the University of Sydney Coursework Rule 2000 (as amended). They should also be read in conjunction with unit of study information in either Table M, for the Master of Architecture, or Table G, the table of graduate units of study, in earlier chapters of this book.

The resolutions constitute the main framework by which your candidature is governed and you should refer to them from time to time to check your progress to your award or when other circumstances arise that require adjudication.

How to read the resolutions

Each degree has three parts to the resolutions, all of which are relevant to you. The single most important section is in the Resolutions of the Faculty Section 1, and is called 'Requirements for the [relevant degree]'. The constituent parts of the resolutions are:

1. Resolutions of the Senate
2. Resolutions of the Faculty (Section 1)
3. Resolutions of the Faculty (Section 2).

The Master of Architecture has its own Senate, Section 1 and Section 2 resolutions. The remaining degrees have their own Senate and Section 1 resolutions, but share a common set of Section 2 resolutions.

The combined degrees from the Faculty of Economics and Business also share a common, but different, set of Section 2 resolutions.

The resolutions are arranged in the following order in this chapter:

- Master of Architecture (all parts)
- Design Science
- Facilities Management
- Heritage Conservation
- Interaction Design and Electronic Arts
- Urban Design
- Urban and Regional Planning
- Postgraduate coursework degrees (Section 2).

Combined degrees from the Faculty of Economics and Business follow:

- Master of Commerce/ Master of Facilities Management
- Master of Transport Management/ Master of Urban and Regional Planning
- Resolutions of the Faculty of Economics and Business (Faculty rules).

Master of Architecture

Resolutions of the Senate

1. Requirements for the Master of Architecture
   1.1 To qualify for the award of the Master of Architecture a student must:
   1.1.1 complete successfully units of study giving credit for a total of 96 credit points; and
   1.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

2. Requirements for the honours degree
   2.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the course.

Master of Architecture

Resolutions of the Faculty

Course Rules

1. Admission
   1.1 An applicant for admission to candidature for the degree of Master of Architecture may satisfy the Architectural Experience Requirement.
   1.1.1 completed all the requirements of the degree of Bachelor of Design in Architecture or such other equivalent degree as the Faculty may approve and have achieved a Weighted Average Mark of at least 65.
   1.1.2 completed the units of study shown as prerequisites for the Master of Architecture in the table of units of study for the Bachelor of Design in Architecture degree, if proceeding to candidature from the Bachelor of Design in Architecture; and
   1.1.3 satisfied the Architectural Experience Requirement.
   1.2 Pursuant to 1.1.3 above, an applicant for admission to the Master of Architecture may satisfy the Architectural Experience Requirement by the date of enrolment,
   1.2.1 by completing the requirements for award of the degree of Bachelor of Design in Architecture with honours; or
   1.2.2 by completing professional work experience as an employee in architecture (minimum of 630 hours recorded in the Architects Accreditation Council of Australia (AACA) Log Book) or a signed letter from the supervising architect detailing duties and number of hours worked; or
   1.2.3 by admission to an approved University of Sydney international exchange for the first semester of enrolment; or
   1.2.4 by completing professional work experience in a related industry (minimum of 630 hours appropriately recorded, detailing hours worked and duties performed). The work undertaken must be relevant to architectural practice; or
   1.2.5 by completing field study in relation to architecture (local and/or international field study), appropriately documented to the satisfaction of the Faculty. The study should be relevant to architectural practice. Various research methods may be used, including interviews and detailed comparative analysis of drawings. The final study should be produced as an illustrated report of approximately 20 A4 pages; or
   1.2.6 completing a postgraduate qualification in a related discipline; or
   1.2.7 by a combination of methods described in 1.2 above.

2. Units of study
   2.1 The units of study which may be taken for the degree are set out in the Table M, the table of units of study for the Master 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;
   2.1.4 the units with which they are mutually exclusive; and
   2.1.5 designation as core or elective.

3. Requirements for the Master of Architecture
   3.1 To be eligible for award of the Master 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.
4. Requirements for the Master of Architecture with honours

4.1 To be admitted to the honours program a candidate must have a Weighted Average Mark of at least 80 over a minimum of 72 credit points, including three research studies.

4.2 To be eligible for the award of honours a candidate must complete 96 credit points including:

4.2.1 three research studies;

4.2.2 one honours report;

4.2.3 one honours studio;

4.2.4 the remaining specified core and elective units of study of the pass degree; and

4.2.5 achieve a Weighted Average Mark of at least 80 in all units of study attempted for the degree.

4.3 Candidates who do not achieve a Weighted Average Mark of at least 80 shall be awarded the degree at the level merited.

4.4 A student awarded the degree with honours shall lodge with the Faculty one copy of the Honours Report bound and printed to the standards specified for a Doctor of Philosophy thesis, for retention in the Faculty library.

5. Award of the degree

5.1 The Master of Architecture degree shall be awarded to a candidate who has completed the requirements of the degree as specified in resolution 3.

5.2 The degree shall be awarded in two grades:

5.2.1 Honours, with a Weighted Average Mark of at least 80 and additional compliance with resolution 4;

5.2.2 Pass.

[Section 2]

6. Cross institutional enrolment

6.1 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:

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.

7. Restrictions on enrolment

7.1 A candidate 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.

7.3 A candidate for the degree shall normally maintain a full-time enrolment of at least 18 credit points per semester.

8. Suspension of candidature

8.1 Unless suspension of candidature has been approved, a student is required to re-enrol each calendar year.

8.2 A student who has completed units of study may, with approval, suspend candidature for up to two semesters. At the end of that time the student may reapply to extend the suspension for a maximum of another two semesters. 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, a student 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 Faculty requires students to demonstrate satisfactory progress with their studies.

10.2 A student may be deemed not to have made satisfactory progress in any semester if the student:

10.2.1 fails to complete at least half the credit points in which he/she is enrolled; or

10.2.2 obtains a WAM of less than 50 based on units of study for a given semester; or

10.2.3 fails a unit of study for the second time; or

10.2.4 has an unsatisfactory attendance record; or

10.2.5 is unable to complete the degree in the maximum time permitted.

10.3 A student who fails to demonstrate satisfactory progress in any semester of enrolment may be considered to fall into the “Students at Risk” category and will be subject to the procedures of University policy on Identifying and Supporting Students at Risk.

10.4 A student who has been identified as being at risk on three consecutive instances will normally be called upon to show good cause why he or she should be allowed to re-enrol in the degree.

10.5 Where a student fails to show good cause why he or she should be allowed to re-enrol, the Dean may exclude the student from re-enrolment in the degree.

11. Time limits

11.1 All candidates shall complete the requirements for the degree no later than at the end of the tenth semester of candidature.

11.2 All candidates must complete the requirements for the degree 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.

13. Weighted Average Mark

13.1 A student's Weighted Average Mark (WAM) shall be calculated using the formula:

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

13.1.1 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.

13.2 In the Faculty of Architecture, Design and Planning a weighting of zero is given to junior units and one for senior and graduate units.

14. Attendance requirements

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

14.2 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.

15. Credit transfer policy

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

15.2 Credit will not be granted for units of study gained with a “Concessional Pass” or equivalent.

15.3 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 table of units of study for the degree, or as non specific credit.

15.4 Credit will not be granted on the basis of units of study completed 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 contribute to the degree requirements of the Master of Architecture.

15.5 The total amount of credit may not be greater than 48 credit points.

15.6 A student may apply to have credit granted on the basis of non-credentialled 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.

15.7 Credit shall not be granted for any graduate internship unit.
1. **Admission**

1.1 An applicant for admission to candidature for the Graduate Certificate in Design Science shall:

1.1.1 hold a bachelor degree of the University of Sydney, or hold qualifications deemed by the Dean to be equivalent; or

1.1.2 furnish evidence which satisfies the Dean that he or she is qualified to enter upon the prescribed units of study.

1.2 An applicant for admission to candidature for the Graduate Diploma in Design Science shall:

1.2.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or

1.2.2 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.

1.3 An applicant for admission to candidature for the degree of Master of Design Science shall:

1.3.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or

1.3.2 hold or have qualified for the award of the graduate diploma; or

1.3.3 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.

1.4 An applicant for admission to candidature for the degree of Master of Design Science with honours must:

1.4.1 have achieved a weighted average mark of at least 75 in all other coursework required for the degree; and

1.4.2 have the approval of the relevant program coordinator, including having an agreed supervisor.

1.5 The number of students admitted to the courses 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 courses are set out in Table G, the table of graduate units of study, in the Faculty of Architecture, Design and Planning Handbook, 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; designation as core, optional or elective; and

2.1.5 any special conditions.

3. **Requirements for the Graduate Certificate, Graduate Diploma and Master of Design Science**

3.1 To qualify for the award of the Graduate Certificate in Design Science, a candidate must successfully complete units of study giving credit for a total of 24 credit points; and satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3.2 To qualify for the award of the Graduate Diploma in Design Science a student must:

3.2.1 complete successfully units of study giving credit for a total of 48 credit points; and

3.2.2 complete the requirements for one stream; and satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3.3 To qualify for the award of the Master of Design Science, a candidate must successfully complete units of study giving credit for a total of 72 credit points; and

3.3.1 complete the requirements for one stream; and

3.3.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3.4 To qualify for the award of the Master of Design Science with honours the candidate must decide which of the two streams is primary, and meet the core and optional requirements for that stream; or

3.4.1 the candidate must decide which of the two streams is primary, and meet the core requirements for that stream; and

3.4.2 the candidate must decide which of the two streams is secondary, and meet the core requirements for that stream; and

3.4.3 a unit that is common to the requirements of both streams may only count once in the total credit points for the degree.
3.5 Table of requirements

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<th>Min core</th>
<th>Min Options</th>
<th>Max Elective</th>
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<td>0</td>
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</table>

3.6 Core units completed in excess of the minimum requirements may count as options or electives.

3.7 Optional units completed in excess of the minimum requirements may count as electives.

3.8 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 in section 2.

4. Requirements for the honours degree

4.1 To qualify for the award of the Master of Design Science honours degree, a student must complete the requirements for the pass degree but:

4.1.1 include a 24 credit point dissertation with a grade of at least Distinction.

4.1.2 The dissertation will count first as elective credit points and then as optional credit points, as determined by the requirements for each stream.

5. Award of the Graduate Certificate, Graduate Diploma and Master of Design Science

5.1 The Graduate Certificate and Graduate Diploma in Design Science are awarded in the Pass grade only.

5.2 The Master of Design Science will be awarded in two grades, namely pass and honours.

5.2.1 A candidate will graduate with the grade merited.

5.2.2 A candidate who fails to satisfy the requirements for the honours degree, and who has not already graduated, shall be awarded the pass degree.

5.3 A candidate who completes the requirements for a course, and who does not enrol in the following semester in a higher level embedded course in this sequence, will graduate from that course.

Graduate Certificate in Facilities Management

Graduate Diploma in Facilities Management

Master of Facilities Management

Master of Facilities Management (Honours)

Resolutions of the Senate

1. Requirements for the Graduate Certificate in Facilities Management

1.1 To qualify for the award of the Graduate Certificate in Facilities Management a student must:

1.1.1 complete successfully units of study giving credit for a total of 24 credit points; and

1.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

2. Requirements for the Graduate Diploma of Facilities Management

2.1 To qualify for the award of the Graduate Diploma in Facilities Management a student must:

2.1.1 complete successfully units of study giving credit for a total of 48 credit points; and

2.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3. Requirements for the Master of Facilities Management

3.1 To qualify for the award of the Master of Facilities Management a student must:

3.1.1 complete successfully units of study giving credit for a total of 72 credit points; and

3.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Requirements for the honours degree

4.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the course.

Graduate Certificate in Facilities Management

Graduate Diploma in Facilities Management

Master of Facilities Management

Master of Facilities Management (Honours)

Resolutions of the Faculty

Course Rules

1. Admission

1.1 An applicant for admission to candidature for the Graduate Certificate in Facilities Management shall:

1.1.1 hold a bachelor degree of the University of Sydney, or hold qualifications deemed by the Dean to be equivalent; or

1.1.2 furnish evidence which satisfies the Dean that he or she is qualified to enter upon the prescribed units of study.

1.2 An applicant for admission to candidature for the Graduate Diploma in Facilities Management shall:

1.2.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or

1.2.2 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.

1.3 An applicant for admission to candidature for the degree of Master of Facilities Management shall:

1.3.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or
3.3 To qualify for the award of the Master of Facilities Management, a candidate must successfully complete 72 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.2 To qualify for the award of the Graduate Diploma in Facilities Management, a candidate must successfully complete 48 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.1 To qualify for the award of the Graduate Certificate in Facilities Management, a candidate must successfully complete 24 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

2.1 The units of study that may be taken for the courses are set out in Table G, the table of graduate units of study, in the Faculty of Architecture, Design and Planning Handbook, 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; and
- 2.1.6 any special conditions.

3. Requirements for the Graduate Certificate, Graduate Diploma and Master of Facilities Management

3.1 To qualify for the award of the Graduate Certificate in Facilities Management, a candidate must successfully complete 12 additional credit points.

3.2 To qualify for the award of the Graduate Diploma in Facilities Management, a candidate must successfully complete 24 credit points.

3.3 To qualify for the award of the Master of Facilities Management, a candidate must successfully complete 72 credit points.

4. Requirements for the honours degree

4.1 To qualify for the award of the Master of Facilities Management with honours, a student must successfully complete units of study amounting to 72 credit points, comprising:

4.1.1 core units of study to the limits shown in the table of requirements; and
4.1.2 a 24 credit point dissertation with a grade of at least Distinction; and
4.1.3 12 additional credit points.

5. Award of the Graduate Certificate, Graduate Diploma and Master of Facilities Management

5.1 The Graduate Certificate and Graduate Diploma in Facilities Management are awarded in the Pass grade only.

5.2 The Master of Facilities Management will be awarded in two grades, namely pass and honours.

5.2.1 A candidate who graduates with the grade merited.

5.2.2 A candidate who fails to satisfy the requirements for the honours degree, and who has not already graduated, shall be awarded the pass degree.

5.3 A candidate who enrols in the following semester, in a higher level award course in this embedded sequence, will not graduate until the completion of the highest award attempted.

5.4 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 this sequence, will graduate from that course.

Graduate Certificate in Heritage Conservation

Graduate Diploma in Heritage Conservation

Master of Heritage Conservation

Master of Heritage Conservation (Honours)

Resolutions of the Senate

1. Requirements for the Graduate Certificate in Heritage Conservation

1.1 To qualify for the award of the Graduate Certificate in Heritage Conservation a student must:

1.1.1 complete successfully units of study giving credit for a total of 24 credit points; and
1.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

2. Requirements for the Graduate Diploma in Heritage Conservation

2.1 To qualify for the award of the Graduate Diploma in Heritage Conservation a student must:

2.1.1 complete successfully units of study giving credit for a total of 48 credit points; and
2.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3. Requirements for the Master of Heritage Conservation

3.1 To qualify for the award of the Master of Heritage Conservation a student must:

3.1.1 complete successfully units of study giving credit for a total of 72 credit points; and
3.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Requirements for the honours degree

4.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the course.

Graduate Certificate in Heritage Conservation

Graduate Diploma in Heritage Conservation

Master of Heritage Conservation

Master of Heritage Conservation (Honours)

Resolutions of the Faculty

Course Rules

1. Admission

1.1 An applicant for admission to candidature for the Graduate Certificate in Heritage Conservation shall:

1.1.1 hold a bachelor degree of the University of Sydney, or hold qualifications deemed by the Dean to be equivalent; or
1.1.2 furnish evidence which satisfies the Dean that he or she is qualified to enter upon the prescribed units of study.

1.2 An applicant for admission to candidature for the Graduate Diploma in Heritage Conservation shall:

1.2.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or
1.2.2 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.

1.3 An applicant for admission to candidature for the degree of Master of Heritage Conservation shall:

1.3.1 hold a bachelor degree of the University of Sydney with a credit average or hold qualifications deemed by the Dean to be equivalent; or

1.3.2 hold or have qualified for the award of the graduate diploma; or

1.3.3 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.

1.4 An applicant for admission to candidature for the degree of Master of Heritage Conservation with honours must:

1.4.1 have achieved a weighted average mark of at least 75 in all other coursework required for the award of the degree; and

1.4.2 have the approval of the program coordinator, including having an agreed supervisor.

1.5 The number of students admitted to the courses 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 courses are set out in Table G, the table of graduate units of study, in the Faculty of Architecture, Design and Planning Handbook, 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; and

2.1.5 designation as core, optional or elective; and

2.1.6 any special conditions.

3. Requirements for the Graduate Certificate, Graduate Diploma and Master of Heritage Conservation

3.1 To qualify for the award of the Graduate Certificate in Heritage Conservation, a candidate must successfully complete 24 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.2 To qualify for the award of the Graduate Diploma in Heritage Conservation, a candidate must successfully complete 48 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.3 To qualify for the award of the Master of Heritage Conservation, a candidate must successfully complete 72 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.4 Table of requirements

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<td>Masters</td>
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<td>18</td>
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3.5 Core units completed in excess of the minimum requirements may count as options or electives.

3.6 Optional units completed in excess of the minimum requirements may count as electives.

3.7 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.

4. Requirements for the honours degree

4.1 To qualify for the award of the Master of Heritage Conservation with honours, a student must successfully complete units of study amounting to 72 credit points, comprising

4.1.1 60 core credit points selected from Table G, the Faculty’s table of graduate units of study, substituting a 24 credit point dissertation with a grade of at least Distinction in place of the Research Report; and

4.1.2 12 additional credit points.

5. Award of the Graduate Certificate, Graduate Diploma and Master of Heritage Conservation

5.1 The Graduate Certificate and Graduate Diploma in Heritage Conservation are awarded in the Pass grade only.

5.2 The Master of Heritage Conservation will be awarded in two grades, namely pass and honours.

5.2.1 A candidate will graduate with the grade merited.

5.2.2 A candidate who fails to satisfy the requirements for the honours degree, and who has not already graduated, shall be awarded the pass degree.

5.3 A candidate who enrols in the following semester, in a higher level award course in this embedded sequence, will not graduate until the completion of the highest award attempted.

5.4 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 this sequence, will graduate from that course.

Graduate Certificate in Interaction Design and Electronic Arts

Graduate Diploma in Interaction Design and Electronic Arts

Master of Interaction Design and Electronic Arts

Master of Interaction Design and Electronic Arts (Honours)

Resolutions of the Senate

1. Requirements for the Graduate Certificate in Interaction Design and Electronic Arts

1.1 To qualify for the award of the Graduate Certificate in Interaction Design and Electronic Arts a student must:

1.1.1 complete successfully units of study giving credit for a total of 24 credit points; and

1.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

2. Requirements for the Graduate Diploma in Interaction Design and Electronic Arts

2.1 To qualify for the award of the Graduate Diploma in Interaction Design and Electronic Arts a student must:

2.1.1 complete successfully units of study giving credit for a total of 48 credit points; and

2.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3. Requirements for the Master of Interaction Design and Electronic Arts

3.1 To qualify for the award of the Master of Interaction Design and Electronic Arts a student must:

3.1.1 complete successfully units of study giving credit for a total of 72 credit points; and

3.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Requirements for the honours degree

4.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the course.
Graduate Certificate in Interaction Design and Electronic Arts

Graduate Diploma in Interaction Design and Electronic Arts

Master of Interaction Design and Electronic Arts

Master of Interaction Design and Electronic Arts (Honours)

Resolutions of the Faculty

[Section 1]

1. Admission

1.1 An applicant for admission to candidature for the Graduate Certificate in Interaction Design and Electronic Arts shall:

1.1.1 hold a bachelor degree of the University of Sydney, or hold qualifications deemed by the Dean to be equivalent; or

1.1.2 furnish evidence which satisfies the Dean that he or she is qualified to enter upon the prescribed units of study.

1.2 An applicant for admission to candidature for the Graduate Diploma in Interaction Design and Electronic Arts shall:

1.2.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or

1.2.2 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.

1.3 An applicant for admission to candidature for the degree of Master of Interaction Design and Electronic Arts shall:

1.3.1 hold a bachelor degree of the University of Sydney with a credit average or hold qualifications deemed by the Dean to be equivalent; or

1.3.2 hold or have qualified for the award of the graduate diploma; or

1.3.3 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.

1.4 An applicant for admission to candidature for the degree of Interaction Design and Electronic Arts with honours must:

1.4.1 have achieved a weighted average mark of at least 75 in all other coursework required for the award of the degree; and

1.4.2 have the approval of the program coordinator, including having an agreed supervisor for the designated honours units.

1.5 The number of students admitted to the courses 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 courses are set out in Table G, the table of graduate units of study, in the Faculty of Architecture, Design and Planning Handbook, 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 any special conditions.

3. Requirements for the Graduate Certificate, Graduate Diploma and Master of Interaction Design and Electronic Arts

3.1 To qualify for the award of the Graduate Certificate in Interaction Design and Electronic Arts, a candidate must successfully complete 24 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits shown in the table of requirements below.

3.2 To qualify for the award of the Graduate Diploma in Interaction Design and Electronic Arts, a candidate must successfully complete 48 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.3 To qualify for the award of the Master of Interaction Design and Electronic Arts, a candidate must successfully complete 72 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.4 Table of Requirements

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<td>Masters (Hons)</td>
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3.5 Core units completed in excess of the minimum requirements may count as options or electives.

3.6 Optional units completed in excess of the minimum requirements may count as electives.

3.7 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 in section 2.

4. Requirements for the honours degree

4.1 To qualify for the award of the Master of Interaction Design and Electronic Arts with honours, a student must successfully complete units of study amounting to 72 credit points selected from Table G, the faculty’s table of graduate units of study, comprising:

4.1.1 core, optional and elective units of study to the limits shown in the table of requirements.

5. Award of the Graduate Certificate, Graduate Diploma and Master of Interaction Design and Electronic Arts

5.1 The Graduate Certificate and Graduate Diploma in Interaction Design and Electronic Arts are awarded in the Pass grade only.

5.2 The Master of Interaction Design and Electronic Arts will be awarded in two grades, namely pass and honours.

5.2.1 A candidate will graduate with the grade merited.

5.2.2 A candidate who does not satisfy the requirements for the honours degree and who has not already graduated shall be awarded the pass degree.

5.3 A candidate who enrols in the following semester, in a higher level award course in this embedded sequence, will not graduate until the completion of the highest award attempted.

5.4 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 this sequence, will graduate from that course.

Graduate Certificate in Urban Design

Graduate Diploma in Urban Design

Master of Urban Design

Master of Urban Design with streams

Master of Urban Design (Honours)

Resolutions of the Senate

1. Requirements for the Graduate Certificate in Urban Design

1.1 To qualify for the award of the Graduate Certificate in Urban Design a student must:

1.1.1 complete successfully units of study giving credit for a total of 24 credit points; and

1.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

2. Requirements for the Graduate Diploma of Urban Design

2.1 To qualify for the award of the Graduate Diploma in Urban Design a student must:

2.1.1 complete successfully units of study giving credit for a total of 48 credit points; and

2.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.
3. Requirements for the Master of Urban Design

3.1 To qualify for the award of the Master of Urban Design a student must:
3.1.1 complete successfully units of study giving credit for a total of 72 credit points; and
3.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Requirements for the Master of Urban Design with streams

4.1 To qualify for the award of the Master of Urban Design with streams a student must:
4.1.1 complete successfully units of study giving credit for a total of 96 credit points; and
4.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

5. Streams

5.1 The Master of Urban Design requiring 96 credit points shall be taken with one of the following streams,
5.1.1 architectural and urban design; or
5.1.2 urban design and planning.

6. Requirements for the honours degree

6.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the course.

Graduate Certificate in Urban Design
Graduate Diploma in Urban Design
Master of Urban Design
Master of Urban Design with streams
Master of Urban Design (Honours)

Resolutions of the Faculty

Course rules

1. Admission

1.1 An applicant for admission to candidature for the Graduate Certificate, Graduate Diploma or Master of Urban Design shall submit a portfolio of work indicating relevant design interests and capacities to the satisfaction of the program coordinator; and
1.1.1 hold a professional degree in architecture or a degree in landscape architecture, urban planning or similar related field.
1.2 An applicant for admission to candidature for the degree of Master of Urban Design with honours must:
1.2.1 have achieved a weighted average mark of at least 75 in all other coursework required for the degree; and
1.2.2 have the approval of the program coordinator, including having an agreed supervisor.

2. Units of study

2.1 The units of study that may be taken for the courses are set out in Table G, the table of graduate units of study, in the Faculty of Architecture, Design and Planning Handbook, 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 any special conditions.

3. Requirements for the Graduate Certificate, Graduate Diploma and Master of Urban Design and designated streams

3.1 To qualify for the award of the Graduate Certificate in Urban Design, a candidate must successfully complete 48 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, including ARCH9001 Urban Design, ARCH9002 Urban Design Studio B, to the limits specified in the table of requirements below.

3.2 To qualify for the award of the Graduate Diploma in Urban Design, a candidate must successfully complete 72 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, including ARCH9001 Urban Design A and ARCH9002 Urban Design Studio B, to the limits specified in the table of requirements below.

3.3 To qualify for the award of the Master of Urban Design, a candidate must successfully complete 72 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.4 To qualify for the award of the Master of Urban Design (Architectural and Urban Design) or the Master of Urban Design (Urban Design and Planning), a candidate must successfully complete 96 credit points from units of study selected from Table G, the faculty’s table of graduate units of study, to the limits specified in the table of requirements below.

3.5 Table of requirements

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<th>Min Options</th>
<th>Max Elective</th>
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<td>Masters (Architectural and Urban Design)</td>
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<tr>
<td>Masters (Urban Design and Planning)</td>
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</tbody>
</table>

3.6 Core units completed in excess of the minimum requirements may count as options or electives.

3.7 Optional units completed in excess of the minimum requirements may count as electives.

3.8 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 in section 2.

4. Requirements for the honours degree

4.1 To qualify for the award of the Master of Urban Design with honours, a student must successfully complete units of study amounting to 72 credit points, comprising:
4.1.1 66 core credit points selected from Table G, the Faculty's table of graduate units of study; substituting a 24 credit point dissertation with a grade of at least Distinction in place of the Urban Design Report; and
4.1.2 six additional credit points.

5. Award of the Graduate Certificate, Graduate Diploma and Master of Urban Design

5.1 The Graduate Certificate, Graduate Diploma, Master of Urban Design (Architectural and Urban Design) and Master of Urban Design (Urban Design and Planning) are awarded in the Pass grade only.

5.2 The Master of Urban Design will be awarded in two grades, namely pass and honours.

5.2.1 A candidate will graduate with the grade merited.

5.2.2 A candidate who fails to satisfy the requirements for the honours degree, and who has not already graduated, shall be awarded the pass degree.

5.3 A candidate who enrols in the following semester, in a higher level award course in this embedded sequence, will not graduate until the completion of the highest award attempted.

5.4 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 this sequence, will graduate from that course.
Graduate Certificate in Urban and Regional Planning

Graduate Diploma in Urban and Regional Planning

Master of Urban and Regional Planning

Master of Urban and Regional Planning (Honours)

Resolutions of the Senate

1. Requirements for the Graduate Certificate in Urban and Regional Planning
   1.1 To qualify for the award of the Graduate Certificate in Urban and Regional Planning a student must:
   1.1.1 complete successfully units of study giving credit for a total of 24 credit points; and
   1.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

2. Requirements for the Graduate Diploma of Urban and Regional Planning
   2.1 To qualify for the award of the Graduate Diploma in Urban and Regional Planning a student must:
   2.1.1 complete successfully units of study giving credit for a total of 48 credit points; and
   2.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3. Requirements for the Master of Urban and Regional Planning
   3.1 To qualify for the award of the Master of Urban Design a student must:
   3.1.1 complete successfully units of study giving credit for a total of 72 credit points; and
   3.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Streams
   4.1 The Master of Urban and Regional Planning may be awarded with one of the following streams,
   4.1.1 heritage conservation; or
   4.1.2 housing studies.

5. Requirements for the honours degree
   5.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the course.

Graduate Certificate in Urban and Regional Planning

Graduate Diploma in Urban and Regional Planning

Master of Urban and Regional Planning

Master of Urban and Regional Planning (Honours)

Resolutions of the Faculty

Course rules

1. Admission
   1.1 An applicant for admission to candidature for the Graduate Certificate in Urban and Regional Planning shall:
   1.1.1 hold a bachelor degree of the University of Sydney, or hold qualifications deemed by the Dean to be equivalent; or
   1.1.2 furnish evidence which satisfies the Dean that he or she is qualified to enter upon the prescribed units of study.
   1.2 An applicant for admission to candidature for the Graduate Diploma in Urban and Regional Planning shall:
   1.2.1 hold a bachelor degree of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; or
   1.2.2 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.

1.3 An applicant for admission to candidature for the degree of Master of Urban and Regional Planning shall:
   1.3.1 hold a bachelor degree of the University of Sydney with a credit average or hold qualifications deemed by the Dean to be equivalent; or
   1.3.2 hold or have qualified for the award of the graduate diploma; or
   1.3.3 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.

1.4 An applicant for admission to candidature for the degree of Master of Urban and Regional Planning with honours must:
   1.4.1 have achieved a weighted average mark of at least 75 in all other coursework required for the award of the degree; and
   1.4.2 have the approval of the program coordinator, including having an agreed supervisor.

1.5 The number of students admitted to the courses 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 courses are set out in Table G, the table of graduate units of study, in the Faculty of Architecture, Design and Planning Handbook, 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 any special conditions.

3. Requirements for the Graduate Certificate, Graduate Diploma and Master of Urban and Regional Planning and designated streams
   3.1 To qualify for the award of the Graduate Certificate in Urban and Regional Planning, a candidate must successfully complete 24 credit points from units of study selected from Table G, the faculty's table of graduate units of study, to the limits specified in the table of requirements below.

   3.2 To qualify for the award of the Graduate Diploma in Urban and Regional Planning, a candidate must successfully complete 48 credit points from units of study selected from Table G, the faculty's table of graduate units of study, to the limits specified in the table of requirements below.

   3.3 To qualify for the award of the Master of Urban and Regional Planning, a candidate must successfully complete 72 credit points from units of study selected from Table G, the faculty's table of graduate units of study, to the limits specified in the table of requirements below.

   3.4 To qualify for the award of the Master of Urban and Regional Planning with any of the designated streams, a candidate must successfully complete 72 credit points from units of study selected from Table G, the faculty's table of graduate units of study, to the limits specified in the table of requirements below.

3.5 Table of requirements

<table>
<thead>
<tr>
<th>Min</th>
<th>Min</th>
<th>Max</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>core</td>
<td>Options</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate</td>
<td>18</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Graduate Diploma</td>
<td>24</td>
<td>0</td>
<td>24</td>
</tr>
<tr>
<td>Masters</td>
<td>48</td>
<td>0</td>
<td>24</td>
</tr>
<tr>
<td>Masters (Heritage Conservation)</td>
<td>48</td>
<td>18</td>
<td>6</td>
</tr>
<tr>
<td>Masters (Housing Studies)</td>
<td>48</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

3.6 Core units completed in excess of the minimum requirements may count as options or electives.

3.7 Optional units completed in excess of the minimum requirements may count as electives.

3.8 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 in section 2.
4. Requirements for the honours degree

4.1 To qualify for the award of the Master of Urban and Regional Planning with honours, a student must successfully complete units of study amounting to 72 credit points, comprising

4.1.2 60 core credit points selected from Table G, the faculty’s table of graduate units of study, including a 24 credit point dissertation with a grade of at least Distinction; and

4.1.3 12 elective credit points selected from Table G, the faculty’s table of graduate units of study.

5. Award of the Graduate Certificate, Graduate Diploma and Master of Urban and Regional Planning

5.1 The Graduate Certificate and Graduate Diploma in Urban and Regional Planning are awarded in the Pass grade only.

5.2 The Master of Urban and Regional Planning will be awarded in two grades, namely pass and honours.

5.2.1 A candidate will graduate with the grade merited.

5.2.2 A candidate who fails to satisfy the requirements for the honours degree, but who is otherwise eligible, shall be awarded the pass degree.

5.3 A candidate who enrols in the following semester, in a higher level award course in this embedded sequence, will not graduate until the completion of the highest award attempted.

5.4 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 this sequence, will graduate from that course.

Postgraduate coursework degree resolutions - Section 2

The following resolutions of the Faculty of Architecture, Design and Planning apply to all postgraduate coursework degrees except the Master of Architecture.

Faculty rules

1. Cross institutional enrolment

1.1 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:

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

1.1.2 the student is unable for good reason to attend a corresponding unit of study at the university; and

1.1.3 the total credit points does not exceed the maximum allowable credit for the course as listed in the table of credits and substitutions.

2. Restrictions on enrolment

2.1 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.

2.2 Candidates may not enrol in undergraduate units of study.

3. Suspension of candidature

3.1 Unless suspension of candidature has been approved by the Dean, a student is required to re-enrol each calendar year.

3.2 A student who has 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 student may reapply to extend the suspension for a maximum of another two semesters. At 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.

4. Re-enrolment after an absence

4.1 Except where the Dean determines otherwise in any particular case, a candidate 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.

5. Satisfactory progress

5.1 The Faculty requires students to demonstrate satisfactory progress with their studies.

5.2 A student may be deemed not to have made satisfactory progress in any semester if the student:

5.2.1 fails to complete at least half the credit points in which he/she is enrolled; or

5.2.2 obtains a WAM of less than 50 based on units of study for a given semester; or

5.2.3 fails a unit of study for the second time; or

5.2.4 has an unsatisfactory attendance record; or

5.2.5 is unable to complete the degree in the maximum time permitted.

5.3 A student who fails to demonstrate satisfactory progress in any semester of enrolment may be considered to fall into the “Students at Risk” category and will be subject to the procedures of University policy on Identifying and Supporting Students at Risk.

5.4 A student who has been identified as being at risk on three consecutive instances will normally be called upon to show good cause why he or she should be allowed to re-enrol in the degree.

5.5 Where a student fails to show good cause why he or she should be allowed to re-enrol, the Dean may exclude the student from re-enrolment in the degree.

6. Time limits

6.1 A candidate for the master degree, graduate diploma or graduate certificate may proceed either full- or part-time.

6.2 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.

6.3 All candidates must complete the requirements for the master degree, graduate diploma or graduate certificate within eight calendar years of first enrolment.

7. Assessment

7.1 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.

8. Weighted Average Mark

8.1 A student’s weighted average mark (WAM) shall be calculated using the formula:

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

8.1.1 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.

8.2 In the Faculty of Architecture, Design and Planning a weighting of zero is given to junior units and one for senior and graduate units.

9. Credit transfer policy

9.1 The total amount of credit that may be granted is listed in the table of credits and substitutions for graduate units of study.

9.1.1 Table of credits and substitutions for graduate units of study

<table>
<thead>
<tr>
<th>Award course level</th>
<th>Maximum credit</th>
<th>Maximum substitution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master degrees</td>
<td>18**</td>
<td>12</td>
</tr>
<tr>
<td>Graduate diplomas</td>
<td>18**</td>
<td>12</td>
</tr>
<tr>
<td>Graduate certificates</td>
<td>12**</td>
<td>12</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.

9.2 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.

9.3 Credit shall not be granted for units of study completed more than 9 years prior to commencement.

9.4 Credit shall not be granted for units of study gained with a "concessional pass" or equivalent.

9.5 "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.

9.6 Credit shall not be granted for any graduate internship unit.

10. Transfer

10.1 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.

11. Supervision

11.1 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 Master of Design Science with
an academic advisor.

12. Transitional provisions

12.1 These resolutions shall apply to:
12.1.1 persons who commence their candidature after 1 January
2007; and
12.1.2 persons who commenced their candidature prior to 1 January
2007 and who elect to proceed under these resolutions.

12.2 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.

Combined degrees

The following degrees are offered jointly with the Faculty of Economics
and Business. The Faculty of Economics and Business is the point
of contact for all enquiries regarding admission, candidature and
graduation. The Faculty of Architecture, Design and Planning Student
Administration Centre can answer questions relating to either Facilities
Management of Urban and Regional Planning.

Master of Commerce and Master of Facilities Management

Course rules

1. Admission

1.1 Each applicant for admission to candidature for the degrees
must:
1.1.1 have completed a bachelor's degree, graduate diploma,
graduate certificate or equivalent at an institution approved
by the Faculty of Economics and Business and the Faculty
of Architecture, Design and Planning and at a standard
acceptable to the Faculties.
1.1.2 have met the relevant work experience requirements as
assessed by the Faculties; and
1.1.3 have met other minimum standards specified by the
Faculties, including:
1.1.3.1 English language communication skills; and
1.1.3.2 evidence of academic motivation and learning
preparedness.

2. Units of study

2.1 The units of study which may be taken for the degrees are set
out under the tables of postgraduate units of study in the Faculty
of Economics and Business Handbook and the Faculty of
Architecture, Design and Planning handbooks, together with:
2.1.1 credit point value;
2.1.2 the units of study with which they are mutually exclusive;
2.1.3 corequisites / prerequisites / assumed learning / assumed
knowledge; and
2.1.5 any special conditions.

3. Requirements for the degrees

3.1 To qualify for the award of the degrees a student must
successfully complete units of study amounting to a total of 96
credit points, comprising:

- In the Faculty of Economics and Business:
  3.1.1 4 core units of study (24 credit points) from the Master
  of Commerce as specified in the Faculty of Economics and
  Business Handbook; and
  3.1.2 a major comprising 4 units of study (24 credit points) as
  specified in the Faculty of Economics and Business
  Handbook, from one of the following subject areas:
  3.1.2.1 Accounting;
  3.1.2.2 Banking;
  3.1.2.3 Business and Security;
  3.1.2.4 Business and Society;
  3.1.2.5 Business Decision Sciences;
  3.1.2.6 Business Information Systems;
  3.1.2.7 Business Law;
  3.1.2.8 Business Statistics;
  3.1.2.9 Economics;
  3.1.2.10 Employment Relations and Human Resource
  Management;
  3.1.2.11 Entrepreneurship;
  3.1.2.12 Finance;
  3.1.2.13 Governance;
  3.1.2.14 International Business;
  3.1.2.15 Marketing;
  3.1.2.16 Organisational Analysis and Strategy;
  3.1.2.17 Quantitative Finance;
  3.1.2.18 Strategic Management;
  3.1.2.19 Supply Chain and Logistics Management;
  3.1.2.20 Taxation; and
  3.1.2.21 Transport Management.

- In the Faculty of Architecture, Design and Planning:
  3.1.2.1 at least 4 core units of study (24 credit points) from the
  Master of Facilities Management as specified in the Faculty
  of Economics and Business Handbook; and
  3.1.2.2 up to 4 elective units of study from the Master of Facilities
  Management as specified in the Faculty of Economics and
  Business Handbook.

4. Award of the degrees

4.1 A student who completes the requirements for the Master of
Commerce and Master of Facilities Management will receive
at graduation a separate testamur for each of the degrees.

4.2 The Master of Commerce and Master of Facilities Management
will be awarded in the pass grade.

4.3 The testamur for the Master of Commerce will specify the major
completed.

Master of Transport Management and Master of
Urban and Regional Planning

Course rules

1. Admission

1.1 Each applicant for admission to candidature for the degrees
must:
1.1.1 have completed a bachelor's degree, graduate diploma,
graduate certificate or equivalent at an institution approved
by the Faculty of Economics and Business and the Faculty
of Architecture, Design and Planning Handbook;
1.1.2 the units of study with which they are mutually exclusive;
1.1.3 corequisites / prerequisites / assumed learning / assumed
knowledge; and
1.1.4 credit point value;
1.1.5 the units of study with which they are mutually exclusive;
1.1.6 the semesters in which they are offered;
1.1.7 the semesters in which they are offered; and
1.1.8 the semesters in which they are offered.

2. Units of study

2.1 The units of study which may be taken for the degrees are set
out under the tables of postgraduate units of study in the Faculty
of Economics and Business Handbook and the Faculty of
Architecture, Design and Planning handbook, together with:
2.1.1 credit point value;
2.1.2 the units of study with which they are mutually exclusive;
2.1.3 corequisites / prerequisites / assumed learning / assumed
knowledge; and
2.1.4 any special conditions.

3. Requirements for the degrees

3.1 To qualify for the award of the degrees, a student must successfully complete units of study amounting to a total of 96 credit points, comprising:

3.1.1 In the Faculty of Economics and Business:

3.1.1.1 3 core units of study (18 credit points) in transport management as specified in the Faculty of Economics and Business Handbook; and

3.1.1.2 5 elective units of study (30 credit points) in transport management as specified in the Faculty of Economics and Business Handbook.

3.1.2 In the Faculty of Architecture, Design and Planning:

3.1.2.1 core units of study (24 credit points) in urban and regional planning; and

3.1.2.2 elective units of study (24 credit points) in urban and regional planning.

4. Award of the degrees

4.1 A student who completes the requirements for the Master of Transport Management and Master of Urban and Regional Planning will receive at graduation a separate testamur for each of the degrees.

4.1.1 The Master of Transport Management and Master of Urban and Regional Planning will be awarded in the pass grade.

[Section 2] Resolutions for postgraduate coursework programs of the Faculty of Economics and Business

These resolutions apply to all postgraduate award courses offered by the Faculty of Economics and Business.

Faculty rules

1. Details of units of study

1.1 The units of study in the award courses as approved by the Faculty of Economics and Business are listed in the tables of postgraduate units of study in the Faculty of Economics and Business Handbook.

2. Enrolment in more/less than minimum load

2.1 A student must enrol in at least one unit of study per semester.

2.2 A student may not enrol in more than 24 credit points in any one semester.

2.3 A student may not enrol in more than two units of study in summer school or one unit of study in winter school, unless granted permission to do so by the Faculty.

2.4 A student may not enrol in units of study additional to award course requirements.

2.5 A student wishing to undertake units of study additional to the award course requirements must enrol as a non-award student.

3. Cross-institutional study

3.1 The Faculty of Economics and Business may permit a student to complete a unit of study at another university or institution and have that unit of study credited to the student’s award course.

3.2 Approval for cross-institutional study is at the discretion of and is conditional on a student satisfying Faculty of Economics and Business requirements.

3.3 Students should consult the Faculty of Economics and Business Student Information Office for more information on Faculty of Economics and Business requirements.

4. Restrictions on enrolment

4.1 A student who has successfully completed a unit of study towards the requirements of an award course may not re-enroll in that unit of study.

4.2 A student may not enrol in any unit of study which overlaps substantially in content with a unit of study already completed, or for which credit has been granted towards the award course requirements.

5. Discontinuation of enrolment

5.1 A student wishing to totally discontinue their enrolment in an award course must lodge an application to discontinue the award course with the Faculty of Economics and Business Student Information Office by the relevant census date.

6. Suspension of candidacy

6.1 A student wishing to suspend their enrolment in an award course must lodge an application for a ‘leave of absence’ from the award course with the Faculty of Economics and Business Student Information Office by the relevant census date.

6.2 The candidacy of a student who has not re-enrolled and who has not obtained approval from the Student Information Office for suspension will be deemed to have lapsed.

6.3 A student whose candidacy has lapsed must apply for re-admission in accordance with procedures determined by the Student Information Office.

7. Re-enrolment after an absence

7.1 A student wishing to return to study after a ‘leave of absence’ should notify the Faculty of Economics and Business Student Information Office in writing three months prior to the commencement of the semester.

8. Satisfactory progress pursuant to the University of Sydney (Coursework) Rule 2000

8.1 A student may be deemed not to have made satisfactory progress in any semester if the student:

8.1.1 fails to complete at least half the credit points in which they are enrolled; or

8.1.2 fails a unit of study for the second time; or

8.1.3 is unable to complete the degree in the maximum time permitted; or

8.1.4 has an unsatisfactory attendance record.

8.2 A student who fails to demonstrate satisfactory progress in any semester of enrolment may be considered to fall into the ‘Students at Risk’ category and will be subject to the procedures of University policy on Identifying and Supporting Students at Risk.

8.2.1 All students listed in an At Risk Report for the third time (or second time in the case of students in award programs of two years full time or less duration) may be asked to show good cause why they should not be excluded from their degree course.

8.3 Where the Faculty of Economics and Business permits the re-enrolment of a student whose progress was deemed unsatisfactory, the Faculty of Economics and Business may place restrictions on the number and type of units of study in which the student may re-enrol in that year and may also require the completion of particular units of study in a specified time. If a student does not comply with these conditions the student may again be asked to show good cause.

9. Time limits

9.1 A student must complete all the requirements for a master’s degree within six calendar years.

9.2 A student must complete all the requirements for a graduate diploma within four calendar years.

9.3 A student must complete all the requirements for a graduate certificate within two calendar years.

10. Assessment policy

10.1 Examination and assessment are conducted in accordance with the policies and directions of the Academic Board.

10.2 The Faculty of Economics and Business does not award Pass Concessional (PCon) grades, nor does it recognise Pass Concessional grades awarded by other faculties.

10.3 The Faculty of Economics and Business does not hold supplementary examinations.

10.4 The Faculty of Economics and Business may allow a further assessment in a unit of study, in accordance with the Faculty of Economics and Business policy on special consideration. A student who is absent from a further assessment may be deemed to have failed that assessment.

11. Embedded sequences

11.1 A student may upgrade to a higher award course in an embedded sequence with credit for all relevant units of study completed within a lower award course in the sequence, irrespective of whether the lower award has been conferred and subject to meeting the entry requirements for the higher award course.

12. Credit transfer policy in accordance with the University of Sydney (Coursework) Rule 2000 and Academic Board policy.

12.1 At the discretion of the Faculty of Economics and Business, a student may be granted credit for up to four units study towards a 12-16 unit master's degree if the student has completed units
of study of a substantially similar nature at the University of Sydney or another institution.

12.2 With the exception of embedded sequences, credit will not be granted towards master's degrees of less than 12 units, graduate diplomas or graduate certificates, however, the requirement to complete a unit of study may be waived if the Faculty of Economics and Business is satisfied that a student has undertaken equivalent study. In such cases, the student will be required to complete an alternative unit of study as prescribed by the Faculty.
Research and Research degrees

The Faculty of Architecture, Design and Planning 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 handbook available free from the Student Administration Centre or online at http://www.arch.usyd.edu.au/CS/handbook.shtml. This publication is an important resource for policies and practical advice relating to your candidature.

Master of Philosophy (Architecture) (MPhil(Arch))

The research masters 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 three years or have had similar significant involvement in the teaching and research of the University.

Disciplines

The Faculty of Architecture, Design and Planning 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 (Associate Professor Glen Hill)
- Architectural and Design Science (Professor Richard Hyde)
- Design Lab (Dr Andy Dong)
- Urban and Regional Planning and Policy (Professor Alan Peters).

The disciplines are under the leadership of a senior academic staff member, 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.
(f) a recommendation from the candidate’s supervisor, on the advice of the candidate’s committee, that the probationary requirements have been met.

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19. Postgraduate research information
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 candidature 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 masters-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 masters 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 and 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 are 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 website. 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 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, Design and Planning with research students in mind are listed below.

Units of study description

ARCF9001
Modes of Inquiry: Research & Scholarship
Architecture, Design and Planning
Credit points: 6
Teacher/Coordinator: A/Prof Richard de Dear
Session: Semester 1, Semester 2
Classes: Five hours average class time per week, activities comprise, lectures seminars workshops and tutorials.
Assessment: Assessment is based on: (1) evidence of having completed and understood the reading assignments set, supported by evidence of critical contributions to class discussions and response to feedback, and (2) a preliminary research proposal in the area of interest, comprising between 2500-3000 words and no more than 15 pages. It is advisable that this proposal is carried out in conjunction with your supervisors. (Final research proposals for partial satisfaction of probationary requirements will remain the responsibility of the student in association with your supervisors.) In assessing submissions, attention is placed on evidence of (1) understanding of the subject matter of different modes of inquiry, research approaches and research methods; (2) 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. The unit is pass/fail only, but a minimum of a Credit level in all aspects is required to pass this unit of study.
Mode of delivery: Normal (lecture/lab/tutorial) Day
Note: Permission required unless enrolled in a research degree. This unit is a probationary requirement for all MPhil and PhD students in the Faculty of Architecture, Design and Planning.
Content: 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.

Objectives & Learning Outcomes: To provide newly admitted research students with a fundamental understanding of the nature of inquiry through research, the philosophy of scientific research and interpretive scholarship and a range of fundamentally different epistemologies or 'modes of inquiry.' The modes of inquiry explored include: (1) empirical, field-based epistemology used heavily in architectural science urban planning and other field-based research, including experimental, quasi-experimental, survey, naturalistic ethnographic and case study methods; (2) text-based, interpretive epistemology used heavily in architecture and the allied arts and other humanities, including archival, historical, theoretical, interpretative, discourse analysis and other text based methods; (3) computationally-based epistemology used heavily in design computing and other IT-based disciplines, including axiom and conjecture based, simulation, virtual reality, and prototype development methods; and (4) policy-oriented, communication-contingency and modelling epistemologies used heavily in urban and regional planning and other policy-based disciplines, including archival, strategic and evidence-based policy research, communications and morphological analyses and quantitative modelling; as well as (5) interdisciplinary combinations, triangulations and mixed modes.

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.

Design Lab
Design Lab (formerly the Key Centre of Design Computing and Cognition) was established by the University with funding provided by the former Department of Employment, Education and Training. Design Lab’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 Design Lab is to consider design as a discipline in its own right, requiring an interdisciplinary approach to its computational support. The Lab carries out teaching, research, development and consulting in the areas of design computing and design cognition. The website is at: www.arch.usyd.edu.au/kcdc.

Areas of research interest

Architecture and Allied Arts
The faculty is recognised for excellence in the field of architectural history and theory with expertise in Southeast Asian, European, American and Australian architecture. Research degrees may be completed in one of three key areas: Architectural History and Theory, Heritage Conservation, and Housing. Research in Architectural History examines the creation and impact of the built environment with regard to technological, aesthetic, economic, social and cultural change. Research in architectural theory examines a diverse range of architectural topics through the lens of contemporary architectural theory. Heritage Conservation research studies encompass architectural, landscape and cultural heritage; this faculty was the first to teach courses in heritage conservation in Australia. Housing research is supported by the Ian Buchan Fell Housing Research Centre within the faculty and includes issues such as economic and community development in both Australia and in South East Asia.

For further information contact Mr Barrie Shelton (bshelton@arch.usyd.edu.au) or any member of the discipline.

Areas of research

Architectural Computing and Digital Media
Digital Architecture
Generative Architectural Design
Parametric Modelling
Digital Design Generation
Building Information Management (BIM)
Architectural Animation

Architectural History and Theory
Twentieth Century architectural history
Contemporary architectural theory
Australian architecture
East Asian architecture
European architecture
Urban history and theory
History and theory of sustainable architecture

Heritage Conservation
Landscape conservation
Conservation of render and decorative plasterwork
Facade retention
Conservation of 19th and 20th Century architecture
Social and aesthetic values in heritage
Acknowledging and evaluating the social and aesthetic values of heritage landscapes
Urban places and their assessment in World Heritage terms

Housing
Aboriginal housing
Student housing
Owner-building
Homeless youth
High-rise housing for the elderly
Medium density housing
Measurement of local and regional economic impacts
Regional development and planning
Computer applications in planning and measuring housing need
Allocating government resources for low income housing

Architectural and Design Science
Architecture and Design Science is the study of the physical aspects of architecture and design. The area encompasses studies in the physical and design aspects of lighting, daylighting, acoustics, thermal performance, wind effects, noise, sustainable buildings, structural systems and construction. It can also include studies in how people react to environments and the functional aspects of buildings in use. There are a number of leading researchers in Architectural Science
within the faculty who provide expert supervision of research leading to higher degrees. It is possible to undertake some advanced coursework with your research studies.

For further information contact Professor Richard Hyde (r.hyde@arch.usyd.edu.au) or any member of the discipline.

**Areas of research**

**Audio and Acoustics**
- Acoustics of small rooms
- Reduction of noise entering through ventilation openings
- Neural network analysis of auditoria design
- Recording and reproduction of sound in rooms
- Controlling feedback in audio systems
- Increasing apparent reverberation time of rooms

**Computational Intelligence Applications**
- Integrated models for the synthesis of complex structural systems
- Applications of soft computing techniques in modelling and design of building structures
- Intelligent project management Information systems
- Smart Information systems for managing complex assets
- Modelling community perceptions using soft computing techniques

**Facilities Management**
- Building information modelling
- Productivity in workplace
- Energy efficiency in the operations of buildings
- Occupant impact on the sustainability of housing

**Illumination**
- How people respond to the lit environment
- Gloom and discomfort glare
- Satisfaction with office working environments
- Individual lighting control for people with poor vision
- International Daylight Measurement Programme
- Sky luminance distribution and models
- Daylighting building interiors
- Solar availability access and over shadow
- Development of Australian/NZ/International lighting standards

**Sustainable Design**
- Form and space making potential of sustainable design
- History of climatic design in Australia
- Simulation of Building Environmental Performance
- Evaluation of Urban Microclimates
- POE of Indoor Thermal Comfort and Air Quality

**Design Lab**
- The aim of the Design Lab is to foster design as a means of knowledge production in its own right. Our view is that design is fundamentally a knowledge-producing activity. Different from the natural sciences, which studies the world as it is, the humanities, which studies the human condition, and the arts, which explores the possibilities of expression, design is a study of the world the way it could be through the creation and interrogation of the “designed” world.

Research and creative practice in the Design Lab span a range of disciplines from interaction design and electronic arts to computer science and social science.

We undertake these projects through multiple intellectual channels, having the scientific gaze with its systems of empiricism sit comfortably astride the artistic approach with its attention toward conceptual possibilities. The projects themselves span politically charged and conceptually difficult terrains, dealing with questions on the biological innateness of design and its cultural and evolutionary pathways, the possibilities of experimental media at the juncture of art, society and technology, and speculative research into the inhabitation of the interface between humans and pervasive computing services.

Most important, the Design Lab provides a home where different people with different ways of knowing can connect, intersect and transform their work and their disciplines. It is a cultural mix of design theory and practice. The Design Lab provides the environment where the resources of research, of the production of knowledge, and of the interrogation of knowledge stem from design.

For further information contact Dr Michael Rosenman (mike@arch.usyd.edu.au) or any member of the discipline.

**Areas of research**

**Computational Design**
- Agent-based design
- AI in design
- Artificial life
- Building information modeling (BIM)
- Computational design modeling
- Creative design systems
- Curious agents
- Emergence in design
- Evolutionary design
- Games design
- Generative design systems
- Mass customization
- Multi-agent systems (MAS)
- Parametric modeling

**Design Studies**
- Design cognition
- Design discovery
- Design thinking
- Gestalt theory in design
- Productive thinking in designing

**Electronic Art and Design**
- Augmented reality performance
- Cyborg culture
- Dance and technology
- Data art
- Electronic art
- Electronic body art
- Embodiment in digital culture
- Generative music
- Generative sound
- Gestural interaction
- Information graphics
- Installation art
- Interactive audio
- Interactive design
- Interactive performance
- Locative media art and performance
- New media
- Sensor-based art
- Visual culture
- Visual design
- Wearable computing

**Information Visualization and Sonification**
- Aesthetic sonification
- Agent-based visualization
- Ambient display
- Auditory display
- Data art
- Information aesthetics
- Information graphics
- Information visualization
- Persuasive computing
- Sonification
- Physical computing
- Wearable computing
Interaction Design
Computer-supported collaborative work
Electronic body art
Embodiment in digital culture
Interaction design
Interactive audio
Interactive installation art
Interactive sonification
Interactive video
Interface culture
Locative media art
Mobile art
Performative geography
Sensor-based interaction
Tangible user interfaces

Pervasive and Physical Computing
Mobile computing
Persuasive computing
Pervasive computing
Physical computing
Sensate environments
Sensor-based design
Wearable computing

Virtual Environments and Virtual Reality
Augmented reality
Augment reality performance
Augmented virtuality
Computer-supported collaborative design
Tangible user interfaces
Virtual environments
Virtual reality

Urban and Regional Planning and Policy
Urban and regional planning research has been established in the faculty since the late 1940s, covering a wide range of subject areas, including international studies with a focus on SE Asia and the Pacific; metropolitan planning; housing studies; regional policy and many other fields of policy and development. A recently established urban design program provides additional opportunities to conduct research into the design dimensions of urban form. Besides providing individual study areas for research, the faculty is home to an extensive library collection and the Planning Research Centre, which is an independent university foundation.

For further information contact Professor Alan Peters (a.peters@usyd.edu.au) or any member of the discipline.

Areas of research
Urban planning and regional comparative planning systems
Collaborative environmental planning and management
Planning for environmental sustainability
Planning for housing accessibility, diversity and affordability
Coastal protection & growth
Australian Urban Land Use Planning Policy Monitor
Social and environmental justice
Community forestry
Political ecology
Natural resource management
Sustainable development and climate change
Urban policy and planning locally and internationally
Suburban economic development
Poverty and inequality
Rural communities
Community development and sustainable planning
Urban planning research and education
Gated communities
Tourism development in Pacific urban planning
Development aid policy
Environmental impact assessments (EIA)
Housing policy in developing countries

Indigenous settlement and land tenure issues
Geographic Information Systems (GIS)
Economic development
Planning Support Systems
Visualization
Commuting behaviour
Spatial decision making
Resolutions on the faculty for research degrees

The following resolutions of Senate and faculty constitute the main framework by which your candidature is governed and you should refer to them from time to time to check your progress to your award or when other circumstances arise that require adjudication.

The Doctor of Philosophy faculty rules should be read in conjunction with the University of Sydney (Doctor of Philosophy (PhD)) Rule 2004.

Senate Resolutions

Master of Philosophy (Architecture)

1. Admission requirements

1.1 An applicant for admission to candidature for the degree of Master of Philosophy (Architecture) shall:
   1.1.1 be a graduate of the University of Sydney or hold qualifications deemed by the Dean to be equivalent; and
   1.1.2 have completed any additional requirements at a standard acceptable to the Dean as set out in the Resolutions of the Faculty.

2. Requirements of the course

2.1 A candidate for a research degree shall proceed by research and submission of a thesis.

3. Time limits

3.1 A candidate for the MPhil(Arch) must complete a minimum of two semesters full-time, or four semesters part-time.

3.2 A candidate for the MPhil(Arch) has a maximum candidature of four semesters if full-time and eight semesters if part-time.

4. Award of the degree

4.1 The Dean awards the degree whenever:

4.1.1 the Dean accepts the recommendation of the Associate Dean (Graduate Studies) concurs; or

4.1.2 all of the examiners of a thesis have recommended the degree be awarded or awarded subject to emendations to all copies of the thesis which are to remain available in the University and the Associate Dean (Graduate Studies) concurs; or

4.1.3 the Dean accepts the recommendation of the Associate Dean (Graduate Studies) that the degree be awarded subject to emendations despite reservations expressed by one of the examiners.

4.2 The Dean may permit an unsuccessful candidate to prepare for re-examination if, in the Dean's opinion, the candidate's work is of sufficient merit and the Associate Dean (Graduate Studies) has so recommended.

4.3 The recommendation to permit a candidate to prepare for re-examination shall not be available for a thesis presented for re-examination.

Faculty Resolutions

Master of Philosophy (Architecture)

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; and

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 candidature 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 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.

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**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 Handbook and may be found at http://www.usyd.edu.au/handbooks. The University of Sydney (Doctor of Philosophy (PhD)) Rule 2004 is of particular relevance. 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 Sydney Summer and Winter Schools

2010

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The Summer School

The Summer School is a full fee-paying, intensive program offering high quality undergraduate and postgraduate subjects from nine faculties. These subjects 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 the first week of January; others in the third week and continue into February (including the exam week). Some subjects run for six weeks; others are shorter. Students can take a maximum of two subjects.

The Winter School

The Winter School is a smaller, more intensive program that runs for four weeks, including the exam week, during July.

Advantages

Attending classes at the University of Sydney during the summer and winter holidays offers many advantages. You can:

- accelerate your academic career and finish your degree sooner
- devote your full attention to a single area of study
- take subjects that are outside your normal degree
- reduce your workload throughout the rest of the year
- repeat subjects in which you may have been unsuccessful
- combine study with a field trip in Australia or a tour overseas.

High school graduates can sample a university subject, and get an early start on their degree.

How to apply

Applications are only accepted online (at www.summer.usyd.edu.au). Most subjects 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:

- 1 October 2009 (Summer School)
- 24 May 2010 (Winter School)

Applications close:

- 27 November 2009 (Session 1, Summer December)
- 11 December 2009 (Session 2, Summer Main)
- 8 January 2010 (Session 3, Summer Late)
- 11 June 2010 (Winter School)

Late application fees may apply after these dates.

Census dates

Students can withdraw from their subject without academic penalty and receive a full refund until the census date (based on when the class commences). However, a late withdrawal fee may apply.

There is one census date for the Winter School, and three for the Summer School, as classes start between December and February.

ID | Session name | Classes begin | Census date |
---|-------------|--------------|-------------|
42 | Summer December | 7 December 2009 | 4 January 2010 |
43 | Summer Main | 4 January 2010 | 11 January 2010 |
44 | Summer Late | 18 January 2010 | 29 January 2010 |
11 | Winter School | 28 June 2010 | 3 July 2010 |

* 42 Summer December: Allows for a unit to run for 3 to 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 Summer School classes starting in December 2010, students who withdraw from a subject between 28 November 2009 and the relevant census date will receive a refund of tuition fees but will be liable for a $500 late withdrawal fee.
- For Summer School classes starting in January 2010, students who withdraw from a subject between 12 December 2009 and the relevant census date will receive a refund of tuition fees but will be liable for a $500 late withdrawal fee.
- For Winter School classes starting on 28 June 2010, students who withdraw from a subject between 21 June 2010 and the relevant census date will receive a refund of their tuition fees but will be liable for a $500 late fee withdrawal.

Students may withdraw from their Summer or Winter School subject(s) up until 4pm on the last day of the teaching period for that particular subject. 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 who withdraw from a subject after 4pm on the relevant census date will receive no refund of their tuition fee.

Transferring between subjects

Students on a waiting list can transfer between subjects at any time prior to the commencement of class. For all other students, transfers should be completed a week before classes commence. No transfers will be allowed after commencement of the class.

Summer and Winter School scholarships

Merit scholarships

Three undergraduate merit scholarships and one postgraduate merit scholarship are available. These are automatically awarded to the top four students in their respective faculty (Arts, Science, or Economics and Business) for their Summer School subject.

Educational/Financial Disadvantage scholarships

Full Summer School scholarships are available to local undergraduate students who have 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. Scholarship applications close on 30 October 2009 (Summer School), and 9 June 2010 (Winter School).

For more information

Website: www.summer.usyd.edu.au
Email: info@summer.usyd.edu.au
Phone: +61 2 9351 5542 Fax: +61 2 9351 5888

To view the latest update, download, purchase or search a handbook visit Handbooks online: www.usyd.edu.au/handbooks

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For further information or advice, please call our toll-free helpline on 1300 362 006.

This section includes information on the following:

- Academic progression
- Accommodation Service
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- Student identity cards
- Sydney Summer School
- SydneyTalent
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- The University of Sydney Foundation Program (USFP)
- Timetabling Unit
- University Health Service

Academic progression

The University requires students to maintain a minimum rate of progression throughout their candidature. Any student who does not satisfy progression requirements for their degree will be placed on a monitored academic progression program. This program requires students to consult an academic adviser in their faculty, to attend a support services information session, and to fill in a survey. Students will be advised of program requirements by their faculty.

Students who do not sustain the minimum academic progression requirements may be asked to 'show cause' as to why they should not be excluded from their degree. For further information, please see www.usyd.edu.au/secretariat/students

Accommodation Service

The Accommodation Service helps students find off-campus accommodation. It maintains an extensive database of accommodation close to campus or with easy access to public transport. For more information visit the Accommodation page: www.usyd.edu.au/current_students

Admissions Office

The Admissions Office, located in the Student Centre, is responsible for overseeing the distribution of offers to undergraduate applicants through the Universities Admissions 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 permanent resident with qualifications from a non-Australian institution, you can get more information by phoning +61 2 8627 8209.
- For enquiries regarding special admissions (including mature-age entry), phone +61 2 8627 8207.
- Applicants without Australian citizenship or permanent residency should contact the International Office.
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 to an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC).

The deadline for applications is the last working day in September in the year before enrolment. For more information see www.uac.edu.au

Some faculties have additional application procedures, such as the Conservatorium of Music, Sydney College of the Arts, Pharmacy and Dentistry (for the Bachelor of Oral Health).

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 www.usyd.edu.au/future_students

Note: some faculties use their own specially tailored application forms. Check with 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 (www.usyd.edu.au/internationaloffice).

Attendance

See ‘Special Consideration’.

Bus service

A free bus service operates to, from and around the Camperdown and Darlington campuses each weekday that Fisher Library is open (except for public holidays). The service begins at 4.15pm and ends at Fisher Library closing time.

Two buses operate along the route, starting at Fisher Library and finishing at Redfern station. The buses leave at approximately 10 minute intervals during semester and in semester breaks.

The bus timetable/route guide can be collected from Security Administration or Campus Infrastructure Services reception.

Campuses

The University has 10 different teaching campuses, located throughout the Sydney area. For information on each campus, including maps, contact details and parking information, see www.usyd.edu.au/about/campuses

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<td>Cumberland Campus</td>
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<td>Burren Street Campus</td>
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Careers Centre

The University’s Careers Centre provides students with career planning and employability skills development.

The Careers Centre services are free and include:

- help finding casual, part-time, full-time and graduate employment
- an internet job vacancy database
- individual careers counselling
- a comprehensive resource centre and online resources
- workshops in resume writing, interview skills, job searching and skills development
- careers fairs and employer information sessions.

Careers Centre

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 8627 8402
Fax: +61 2 8627 8477
Email: careers.information@usyd.edu.au
Website: www.careers.usyd.edu.au

Centre for Continuing Education (CCE)

The CCE provides the community with the opportunity to engage with the University of Sydney, offering people access to the academic expertise of one of Australia’s finest educational institutions.

The CCE provides lifelong learning opportunities for people at all stages of life who want to undertake a course in self-enrichment, engage in active retirement learning, upgrade their professional skills and qualifications, or bridge a gap between previous study and university. CCE offers short courses in all areas of the humanities and social sciences, languages, science and technology, business and management, and continuing professional development.

160 Missenden Road
Newtown NSW 2042
(Postal address: Locked Bag 2020, Glebe NSW 2037)

Phone: +61 2 9036 4789
Fax: +61 2 9036 4799
Email: cce.info@usyd.edu.au
Website: www.cce.usyd.edu.au
Centre for English Teaching (CET)
The CET offers English language and academic study skills programs to international students who need to develop their English language skills in order to meet academic entry requirements.

Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9369 7900
Fax: +61 2 9369 7910
Email: info@cet.usyd.edu.au
Website: www.usyd.edu.au/cet

Child Care Information Office
Five child care centres operate on or near the Camperdown, Darlington and Cumberland campuses, catering for over 220 children aged from six weeks to five years. The centres are managed by qualified staff and provide programs that are developmentally appropriate and responsive to the needs of the individual child. The Child Care Information Office is the first point of contact for students and staff looking for information about child care services such as long day care, occasional care, vacation care and family day care.

For more information visit the student services page at www.usyd.edu.au/current_students

Child Care Information Office
Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8419
Fax: +61 2 8627 8480
Email: childc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/child_care

The Co-op Bookshop
The Co-op Bookshop is a one-stop store for:

- text and reference books
- general books
- University of Sydney clothing and memorabilia
- DVDs
- flash drives
- software at academic prices.

Take advantage of a lifetime of membership benefits. For a one-time fee of $20, you are entitled to great member pricing, promotional offers and much more.

The Co-op Bookshop
Sports and Aquatic Centre Building, G09
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3705
Fax: +61 2 9660 5256
Email: sydu@coop-bookshop.com.au
Website: www.coop-bookshop.com.au

Counselling Service
Counsellors are qualified professionals who aim to help people fulfill their academic, individual and social goals. The Counselling Service helps students develop effective and realistic coping strategies and master essential study and life management skills.

Students can make appointments for 50-minute sessions. Walk-in (25-minute) sessions are available for urgent problems every day from 11am to 3pm during semesters, and after-hours appointments are also available. In addition, the service offers workshops each semester on a wide range of student concerns. These are open to local and international, undergraduate and postgraduate students. There are specific workshops to help first-year students successfully adapt to university study.

For more information visit the student services page at www.usyd.edu.au/current_students

Camperdown and Darlington campuses
Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8433
Fax: +61 2 8627 8482
Email: counsell@stuserv.usyd.edu.au
Website: www.usyd.edu.au/counselling

Cumberland Campus
Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia
Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: cs.cumberland@stuserv.usyd.edu.au

Disability Services
Disability Services is the principal point of contact providing advice for students with disabilities. Disability Services staff work closely with academic and administrative staff to ensure that students receive reasonable adjustments in their study. The unit produces a number of publications explaining the disability support services available within the University.

Students are encouraged to make contact with Disability Services prior to commencement or as early in their studies as possible. Available help includes assistive technology, note-taking, interpreters, and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate. Students must register with Disability Services to receive assistance.

For more information visit www.usyd.edu.au/current_students

Camperdown and Darlington campuses
Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8422
Fax: +61 2 8627 8482
Email: disserv@stuserv.usyd.edu.au
Website: www.usyd.edu.au/disability

Cumberland Campus
Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia
Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: ds.cumberland@stuserv.usyd.edu.au
Employment opportunities for students
See 'Careers Centre', 'SydneyTalent'.

Enrolment

Domestic and international students entering their first year via UAC
Details of enrolment procedures will be sent to students with their UAC offer of enrolment. Enrolment takes place during the last week of January or in February for the later offer rounds.

Domestic and international students entering their first year via a direct offer from the University
Details of the enrolment procedures will be sent to students with their University offer of enrolment. Enrolment takes place during the first two weeks of February.

All continuing domestic and international 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:
Manager, Campus Sustainability
Phone: +61 2 9036 5441
Email: sustainable@usyd.edu.au

Visit the website www.usyd.edu.au/sustainable to find out what the University is doing, and learn how you can get involved or make suggestions.

Equity Support Services
Equity Support Services brings together a number of student support services that provide practical assistance and information to help students meet their academic and personal goals while at University. Services include the Accommodation Service, Child Care Information Office, Disability Services and the Financial Assistance Office.

For more information visit www.usyd.edu.au/current_students

Examinations
The Examinations Office arranges the end-of-semester examination periods in June and November each year and provides assistance for faculty staff with examinations held at other times. Staff and students can find information about examinations at www.usyd.edu.au/current_students/student_administration/examinations or contact the Examinations Office directly.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8200 or +61 2 8627 8217
Fax: +61 2 8627 8279
Email: exams.office@exams.usyd.edu.au
Website: www.usyd.edu.au/current_students/student_administration/examinations

Fees
See ‘Revenue Services Office’.

Financial Assistance Office
The University has a number of loan funds and bursaries to help students who experience financial difficulties. Assistance is not intended to provide the principal means of support but to help in emergencies and supplement other income. Financial assistance is available for undergraduate and postgraduate students enrolled at the University of Sydney in degree and diploma programs. It is for essential living and study expenses.

Financial assistance consists of loans, which are usually repayable within one year, and bursaries, which may be awarded as part of a financial assistance package, depending on financial need and academic merit (average marks at credit level or higher). Advertised bursaries are also available and must be applied for separately by 30 April (see website for details). Bursaries are generally only available to local full-time undergraduate students.

For more information visit www.usyd.edu.au/current_students

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2416
Fax: +61 2 8627 8480
Email: fao@stuserv.usyd.edu.au
Website: www.usyd.edu.au/financial_assistance

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
• 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.

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 Deputy Registrar.

While an 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 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. More information and copies of the reports can be found at www.usyd.edu.au/arms/info_freedom

General University information
Graduations Office
The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8223 or +61 2 8627 8224
Protocol enquiries: +61 2 8627 8221
Fax: +61 2 8627 8281
Email: grads.office@usyd.edu.au

Grievances and 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 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, the Student Representative Council, and on the Policy Online website (www.usyd.edu.au/policy click on 'Study at the University', then 'Appeals' – see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:

Undergraduates
Students’ Representative Council
Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9660 5222
www.src.usyd.edu.au

Postgraduates
Sydney University Postgraduate Representative Association (SUPRA) Corner of Raglan and Abercrombie
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3115
www.supra.usyd.edu.au

HECS and Domestic Fees Office
The HECS and Domestic Fees Office assists domestic students with queries relating to their entitlements for Commonwealth Support, HELP-Loans, domestic full fees and the Research Training Scheme (RTS). Students’ entitlements are also assessed based on their citizenship or residency status.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8239
Fax: +61 2 8627 8285
Email: hecs.fees@records.usyd.edu.au

Information and Communications Technology (ICT)
See ‘Service Management, Information and Communications Technology’.

International Office
The International Office helps international students with application, admission and enrolment procedures. It has units responsible for international marketing, government and student relations, international scholarships (including AusAID scholarships and administrative support for international financial aid programs), and compliance with government regulations relating to international students. The Study Abroad and Student Exchange units help domestic and international students who wish to enrol for overseas study or exchange programs.

International Office
Level 4, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8300
Fax: +61 2 8627 8387
Email: info@io.usyd.edu.au
Website: www.usyd.edu.au/internationaloffice

Study Abroad
Phone: +61 2 8627 8322
Fax: +61 2 8627 8390
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studyabroad

Student Exchange
Phone: +61 2 8627 8322
Fax: +61 2 8627 8482
Email: exchange@io.usyd.edu.au
Website: www.usyd.edu.au/studentexchange

International Student Support Unit (ISSU)
The International Student Support Unit (ISSU) aims to help international students develop successful strategies for coping 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.

ISSU’s student counsellors are qualified professionals with extensive experience in cross-cultural counselling. They provide an integrated service to international students and their families, which includes free and confidential counselling, welfare advice, information, and assistance with accessing other support services and resources on campus and in the community.

Other ISSU services include pre-departure information, on-arrival information sessions and an orientation program for new international students. There is also a program of social and cultural activities which runs throughout the year. International students also have access to all University student support services.

Camperdown and Darlington campuses
Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8437
Fax: +61 2 8627 8482
Email: info@issu.usyd.edu.au
Website: www.usyd.edu.au/issu

Cumberland Campus
Ground Floor, A Block, Cumberland Campus, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia
Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: issu.cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/issu
Koori Centre and Yooroang Garang

The Koori Centre and Yooroang Garang support Aboriginal and Torres Strait Islander people in all aspects of tertiary education at the University of Sydney. The Cadigal Special Entry Program helps Indigenous Australians 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 faculties across mainstream courses. The Koori Centre also provides tutorial assistance, and student facilities including a computer lab, Indigenous research library and study rooms for the University's Indigenous Australian students.

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, Indigenous Student Support Unit in the Faculty of Health Sciences at the Cumberland Campus. Yooroang Garang provides assistance, advice 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
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2046 (general enquiries)
Toll-free within Australia: 1800 622 742
Community Liaison Officer: +61 2 9351 7003
Fax: +61 2 9351 6923
Email: koori@koori.usyd.edu.au
Website: www.koori.usyd.edu.au

Yooroang Garang
T Block, Level 4, Cumberland Campus, C42
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 9066
Toll free: 1800 009 418
Fax: +61 2 9351 9400
Email: yginfo@fhs.usyd.edu.au
Website: www.fhs.usyd.edu.au/yooroang_garang

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 during their undergraduate and postgraduate studies.

Learning Centre staff can be found at the Camperdown and Cumberland campuses. 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, a faculty-based program and access to online and print-based learning resources.

For details of programs, activities and online resources available from the Learning Centre, see its website.

Camperdown and Darlington campuses
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia

Library

The University of Sydney Library provides services via a network of libraries on eight campuses, and online at www.library.usyd.edu.au

The location, opening hours and specific subject focus of each library is listed on the website. Over 5.5 million items are available via the library catalogue, including more than 67,000 online journals and 325,000 online books.

Enrolled students are entitled to borrow from any of the University libraries. Reading list books and articles are available via the reserve service either online or in print. Past examination papers are also available online.

Library facilities include individual and group study spaces, computers, printers, multimedia equipment, photocopiers and adaptive technologies. Refer to the 'Libraries' link on the University website to find out about services and facilities in specific libraries.

Library staff are available in every library to support students with their study and research. Faculty liaison librarians help students find great information on any topic and provide training in using a wide range of resources. For contact details of faculty liaison librarians, see www.library.usyd.edu.au/contacts/subjectcontacts.html

It is also possible to learn research and information skills online; see www.library.usyd.edu.au/skills

Mathematics Learning Centre

The Mathematics Learning Centre helps 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 ongoing 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 centre's website.

Level 4, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 4061
Fax: +61 2 9351 5797
Email: mlc@usyd.edu.au
Website: www.usyd.edu.au/mlc
Museums and galleries
The University of Sydney has one of the largest and finest university collections of antiquities, art, ethnography and natural history in Australia. While these collections are used for teaching, they also provide an opportunity for the University to contribute to the cultural life of the country.

University Art Gallery
Founded in the 1860s, the University of Sydney Art Collection now holds more than 7000 paintings, sculptures and works on paper by Australian, Asian and European artists, as well as more than 700 works from the University Union Art Collection. One of the most significant collections derives from the John Wardell Power Bequest. The gallery showcases changing exhibitions of works from the collection as well as high-quality exhibitions of both contemporary and historical works.

War Memorial Arch
The Quadrangle, A14
Camperdown Campus
Phone: +61 2 9351 6883
Fax: +61 2 9351 7785
Website: www.usyd.edu.au/museums

Macleay Museum
The Macleay Museum originated with the 18th century collection of insects owned by Alexander Macleay. The oldest of its kind in Australia, the museum today holds significant collections of ethnographic artefacts, scientific instruments, biological specimens and historic photographs. Changing exhibitions engage with the diversity of the collection.

Macleay Building, A12
Gosper Lane (off Science Road)
Camperdown Campus
Phone: +61 2 9036 5253
Fax: +61 2 9351 5646
Email: macleaymuseum@usyd.edu.au
Website: www.usyd.edu.au/museums

Nicholson Museum
The Nicholson Museum contains the largest and most prestigious collection of antiquities in Australia. It is also the country's oldest university museum, and features works of ancient art and objects of daily life from Greece, Italy, Egypt, Cyprus, the Near and Middle East, as well as Northern Europe. A regular changing schedule of exhibitions highlights various parts of the collection.

The Quadrangle, A14
Camperdown Campus
Phone: +61 2 9351 2812
Fax: +61 2 9351 7305
Email: nicholsonmuseum@usyd.edu.au
Website: www.usyd.edu.au/museums

The Tin Sheds Gallery
The Tin Sheds Gallery is part of the Art Workshop complex within the University of Sydney's Faculty of Architecture, Design and Planning. The gallery hosts exhibitions across a wide variety of contemporary visual arts practices from individuals and groups, as well as community projects and curated exhibitions.

Tin Sheds Gallery and Art Workshops
Faculty of Architecture
Wilkinson Building, G04
Phone: +61 2 9351 3115
Fax: +61 2 9351 4184
Email: tinfoxsheds@arch.usyd.edu.au
Website: www.arch.usyd.edu.au/art_workshop.shtml

MyUni Student Portal
The MyUni student portal (http://myuni.usyd.edu.au) 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 and offers personalisation options.

MyUni enables students to access:
- student administration systems for obtaining examination results, enrolment and variations, timetabling, email services and links to courses and unit of study information
- the University's e-learning tools
- library services
- important messages and student alerts
- information and communications technology and support services
- campus maps, with descriptions of cultural, sporting and campus facilities.

Orientation and O-Week
Orientation
Starting university study brings both opportunities and challenges. A successful transition is important in developing a sense of belonging and better academic adjustment and success. The University of Sydney seeks to facilitate students' successful transition through a wide range of programs and activities.

Orientation activities for both undergraduate and postgraduate students are scheduled at the beginning of each semester. Transition support continues throughout the academic year within faculties, while student support services are available to help students throughout their study.

For more information visit www.usyd.edu.au/current_students/orientation

Undergraduate students
In the week before Semester One, the Sydney Welcome Orientation and Transition (SWOT) program offers all commencing undergraduate students an opportunity to learn more about the University of Sydney.

During this week you can get to know the University, develop key skills for success, discover other key resources for getting the most out of university life and develop a sense of belonging. All students are welcome to attend activities, which are based at the Camperdown and Darlington campuses. Faculties based on other campuses also provide orientation activities and programs.

SWOT 2010 will run from 24 to 26 February 2010.
For more information, see www.swot.usyd.edu.au

Postgraduate students
Postgraduate students are supported by their faculties in transitioning to postgraduate study at the University of Sydney.

For more information visit www.usyd.edu.au/current_students/orientation

O-Week
O-Week is the orientation event at the beginning of Semester One. Organised by the University of Sydney Union (USU) and other student organisations, it runs in parallel with the SWOT program. O-Week 2010 will run from 24 to 26 February 2010.
For more information visit www.usuonline.com
Part-time, full-time attendance

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)
Part-time or full-time status for postgraduate coursework students 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 6pm to 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, 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:

• Code of Conduct for students
• Academic Honesty in Coursework
• Student Plagiarism: Coursework Assessment and Examination of Coursework
• Identifying and Supporting Students at Risk.

All of these policies can be accessed at the University’s Policy website (www.usyd.edu.au/policy).

Printing service
The University Printing Service (UPS) provides printing and binding services including high-volume printing and copying, short run/low-volume printing, and four-colour process printing. It also offers finished artwork and design, including website design, document scanning, file conversion and CD burning.

UPS products range from stationery, books, brochures, handbooks, graduation certificates and examination papers through to invitations, flyers and banners.

UPS also offers a variety of finishing options plus collating, addressing and filling of envelopes, mail merge options and print-broking services.

University Printing Service
Room 314, Level 3
Services Building, G12
Codrington Street
Phone: +61 2 9351 2004
Fax: +61 2 9351 7757
Email: ups@ups.usyd.edu.au
Website: www.usyd.edu.au/ups

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 pieces of legislation 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 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 Archives and Records Management Services. See www.usyd.edu.au/arms for contact details.

Research Office
The Research Office administers the major government-funded research scholarships to postgraduate research students. Details of these scholarships and many others may be obtained from www.usyd.edu.au/arms

The closing date for applications for Australian Postgraduate Awards (APA) and University of Sydney Postgraduate Awards (UPA) is October every year.

Applications for National Health and Medical Research Council (NHMRC) Postgraduate Research Scholarships usually close in mid-July. It is wise to check in advance the exact closing date.

Research Office
Level 6, Jane Foss Russell Building, G02
Phone: +61 2 8627 8112
Email: research.training@usyd.edu.au
Website: www.usyd.edu.au/ro/training

Revenue Services
Revenue Services provides information on HECS/fee payment methods and can confirm the receipt of payments. The office can also provide information on the steps necessary to obtain a refund. More details are available on its website (listed below).

Revenue Services (domestic students)
Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5222
Fax: +61 2 9114 0556
Email: feespay@usyd.edu.au
Website: www.revenue.usyd.edu.au/fees

Cashier’s Office (domestic and international student payments)
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Office hours: 9am to 5pm, Monday to Friday
Scholarships for undergraduates
The Scholarships and Prizes Office administers scholarships and prizes for undergraduate and postgraduate coursework degrees at the University of Sydney. To learn more, see the website.

Scholarships and Prizes Office
Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 8627 8450
Fax: +61 2 8627 8485
Email: scholarships.reception@usyd.edu.au
Website: www.usyd.edu.au/scholarships

Security Service
Security staff patrol the University's Camperdown and Darlington campuses 24 hours a day, seven days a week and are easily identified by their blue uniforms and distinguishing badges.

Security Escort Service
The University's Security Escort Service may be booked by phoning 9351 3487. This service provides transportation around the Camperdown and Darlington campuses as well as to the nearest transport point at its edge (it generally operates after the security bus has ceased). The service is for security situations and is not designed for convenience use. Requests for this service will be prioritised against other security demands.

Emergency contact
Phone: +61 2 9351 3333 (13333 from an internal phone)

Enquiries
Phone: +61 2 9351 3487 or (toll-free within Australia) 1800 063 487
Fax: +61 2 9351 4555
Email: security.admin@mail.usyd.edu.au
Website: www.facilities.usyd.edu.au/security

Traffic
Phone: +61 2 9351 3336

Lost property
Phone: +61 2 9351 5325

Service Management, Information and Communications Technology (ICT)
ICT is responsible for the delivery of many of the computing services provided to students. Students can contact ICT by phoning the helpdesk on (02) 9351 6000, through the IT Assist website (www.usyd.edu.au/ictswitch) or by visiting the staff at one of the University Access Labs. The location details of Access Labs can be found at www.usyd.edu.au/ictswitch/locations

The labs provide students free access to computers, including office productivity and desktop publishing software. Some services are available on a fee-for-service basis, such as internet access, printing facilities, and the opportunity for students 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
• WebCT/elearning online resources
• access to the Internet from home or residential colleges facilities, such as exam results, enrolment variations and timetabling
• free courses in basic computing (such as MS Office, basic html and Excel), run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on +61 2 9351 6670.

See www.usyd.edu.au/ictswitch for more information on these services.

Service Management, Helpdesk
University Computer Centre, H08
Camperdown Campus
Phone: +61 2 9351 6000
Fax: +61 2 9351 6004
Email: support@usyd.edu.au
Website: www.usyd.edu.au/ictswitch

Special Consideration
In cases of illness or misadventure, students should complete an Application for Special Consideration form, accompanied by relevant documentation, such as medical certificates, and submit it to the relevant faculty office. The forms are available at faculty offices, the Student Centre, and online at www.usyd.edu.au/current_students/student_administration/forms

Exemption from re-attendance
Although you may have attended certain lectures or practical classes before, exemption from re-attendance is granted only in exceptional circumstances. In any case, you are required to enrol in all units of study in which you propose to take examinations, whether or not you have been granted leave of absence (or exemption) from re-attendance at lectures and/or practical work. To obtain exemption from re-attendance, apply at your faculty office.

Staff and Student Equal Opportunity Unit (SSEOU)
The Staff and Student Equal Opportunity Unit works with the University community to promote equal opportunity in education and employment, to create opportunities for staff and students who have traditionally been disadvantaged by mainstream practices and policies, and to create an environment that is free from discrimination and harassment.

The Staff and Student Equal Opportunity Unit is responsible for:

• providing policy advice to staff on harassment and discrimination
• providing equal opportunity policy development, promotion and training for staff and students
• coordinating and monitoring equity programs and initiatives
• providing information and advice to staff and students on equal opportunity matters
• resolving individual staff and student concerns about harassment and discrimination
• overseeing the University's Harassment and Discrimination Resolution procedure
• monitoring and reporting to external bodies on the University's progress in the equal opportunity area.

Every student and staff member at the University of Sydney has the right to expect that their fellow students and colleagues behave in a way that reflects these key values, irrespective of background, beliefs or culture.

In addition, every student and employee has a right to expect from the University equitable practices that preserve and promote equal opportunity to access, participate, and excel in their chosen field.

Rooms 228 to 235
The Demountables, H11
Codrington Street
Darlington Campus
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2212
Fax: +61 2 9351 3195
Email: admin@eeo.usyd.edu.au
Website: www.usyd.edu.au/eeo
Student administration and support
The University provides personal, welfare, administrative and academic support services to facilitate your success. Many factors can have an impact on your wellbeing while studying, and student services can help you to manage these more effectively.

For details of services and online resources provided, visit www.usyd.edu.au/current_students

Student Centre
The Student Centre is responsible for the central functions of UAC admissions, enrolments, HECS, class timetabling, student records, examinations and graduations. In addition to the above matters, general information and academic transcripts can be obtained at the counter of the Student Centre.

Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

General enquiries: +61 2 8627 8200
Academic records: +61 2 8627 8200
Handbooks: +61 2 8627 8200
Fax: +61 2 8627 8279 or +61 2 8627 8284 (academic records)
Email: studentcentre@usyd.edu.au
Email: academic.records@usyd.edu.au
Website: www.usyd.edu.au/current_students/student_administration

Student course material (online stores)
Students in several faculties can purchase course collateral through an online eStore (available on their faculty website). Course collateral includes laboratory coats, uniforms, safety boots and other equipment required for units of study. All items have been selected and approved by the faculty concerned to ensure they meet course requirements.

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 and taken to all examinations.

University Card Services
Level 2, Fisher Library, F03
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2423
Email: university.cards@usyd.edu.au
website: www.usyd.edu.au/card_centre

Sydney Summer School
Nine faculties at the University offer subjects from undergraduate and postgraduate degree programs during a Summer School program. As the University uses its entire quota of Commonwealth-supported places in Semesters One and Two, these units are full fee-paying for both local and international students and enrolment is entirely voluntary.

Summer School enables students to accelerate their degree progress, make up for a failed subject or fit in a subject which otherwise would not suit their timetables. New students may also gain an early start by completing subjects before they commence their degrees.

Three sessions are offered during the semester break (commencing in mid-December, the first week of January, and the third week of January) and normally run for up to six weeks (followed by an examination week). Details of the available subjects are on the Summer School website.

A smaller Winter School is also offered. It will commence on 28 June 2010 and run for three weeks (followed by an examination week). The Winter School offers both postgraduate and undergraduate subjects.

To find out information about subjects offered and to enrol, see the Summer School website: www.summer.usyd.edu.au

SydneyTalent
SydneyTalent is a University initiative that offers course-related employment at market leading rates and with flexible hours. It connects students with meaningful roles in their chosen field of study, allowing them to develop vital professional skills and graduate with marketable career experience. With SydneyTalent, students are able to successfully manage the work-study balance while building for future success.

Level 5, Jane Foss Russell Building G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 8627 8000
Fax: +61 2 8627 8630
Email: sydney.talent@usyd.edu.au
Website: www.sydneytalent.com.au

Sydney Welcome Orientation and Transition Program (SWOT)
The Sydney Welcome Orientation and Transition program (SWOT) offers a head start to commencing undergraduate students at the University, helping you to become familiar with the University and its student support services. The library and central student support services work together with faculties to provide the SWOT program.

SWOT 2010 runs from 24 to 26 February 2010. For more information, see www.swot.usyd.edu.au or visit www.usyd.edu.au/current_students/orientation

The University of Sydney Foundation Program (USFP)
The University of Sydney provides a foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. It allows both first and second semester entry to undergraduate courses at the University of Sydney and other universities within Australia.

Contact details
Phone: +61 2 8263 1888
Fax: +61 2 9267 0531
Email: info@taylorscollege.edu.au
Website: www.usyd.edu.au/foundationprogram

College address
The University of Sydney Foundation Program
Taylors College
965 Bourke St
Waterloo NSW 2017
Phone: +61 2 8303 9700
Fax: +61 2 8303 9777
**Timetabling Unit**
The Timetabling Unit in the Student Centre is responsible for producing personalised student timetables which are available through MyUni. Semester One timetables are available 10 days before that semester begins. Semester Two timetables are available from the beginning of Semester One examinations.

Website:  
www.usyd.edu.au/current_students/student_administration/timetables

**University Health Service (UHS)**
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 UHS bills Medicare or your overseas student health care provider (Worldcare or Medibank Private) directly for the full cost of most consultations.

Email: i.marshall@unihealth.usyd.edu.au  
Website: www.unihealth.usyd.edu.au  
Phone: +61 2 9351 3484  
Fax: +61 2 9351 4110

**University Health Service (Wentworth)**
Level 3, Wentworth Building, G01  
The University of Sydney  
NSW 2006 Australia  
Opening hours: 8.30am to 5.30pm, Monday to Friday  
Phone: +61 2 9351 3484  
Fax: +61 2 9351 4110

**University Health Service (Holme)**
Holme Building, A09  
Entry Level, Science Road  
The University of Sydney  
NSW 2006 Australia  
Opening hours: 8.30am to 5.30pm, Monday to Friday  
Phone: +61 2 9351 4095  
Fax: +61 2 9351 4338
General University information
Student organisations

Students’ Representative Council (SRC)
The Students’ Representative Council represents, campaigns and advocates for undergraduate students throughout the University.

SRC caseworkers advise students on a range of issues, including academic appeals, Centrelink and Austudy, tenancy, harassment and discrimination. The solicitor (from Redfern Legal Centre) provides legal assistance and court representation. These services are free and confidential. The SRC also offers financial support in the form of emergency loans of up to $50.

In addition, the SRC runs a second-hand bookshop that specialises in the purchase and sale of coursework textbooks. Among the publications produced by the SRC are the weekly student newspaper Honi Soit, the Counter-Course Handbook and the O-Week Handbook.

The SRC, which recently celebrated its 80th anniversary, is one of the oldest student organisations in Australia, and is run by and for students. It's a great way to get involved in student life. Officers elected to the student council campaign on issues that directly affect students, such as course cuts and assessments, fee increases, discrimination and welfare rights. They also advocate on social justice matters both within the University and throughout the wider community.

SRC main office
Level 1, Wentworth Building (G01), City Road
Phone: +61 2 9660 5222
Fax: +61 2 9660 4260
Email: help@src.usyd.edu.au
Email (Honi Soit editors): editors@src.usyd.edu.au
Website: www.src.usyd.edu.au

Contact the main office for details of other campuses.

The SRC Secondhand Bookshop
Level 3, Wentworth Building (G01), City Road
Phone: +61 2 9660 4756
Fax: +61 2 9660 4260
Email: books@src.usyd.edu.au
Website: www.src.usyd.edu.au

Sydney University Postgraduate Representative Association (SUPRA)
SUPRA is an independent association which provides advice, advocacy and support services to postgraduate students. SUPRA is both the voice and safety net of these students, and represents their interests by:

• ensuring the representation of postgraduate views within the University and wider community
• providing free, confidential assistance and advocacy for postgraduates through the employment of Student Advice and Advocacy Officers (SAAOs)
• providing free legal advice for postgraduate students, in association with the Redfern Legal Centre
• representing postgraduates on University policymaking bodies such as the Academic Board, its committees and working parties
• meeting with members of the Senate on the Senate/Student Organisations Liaison Committee
• regularly consulting with the Vice-Chancellor, Registrar and other senior University officers
• drawing postgraduates together at all levels of University life.

SUPRA Council, committees and networks
The SUPRA Council is elected annually by and from the postgraduate student community. Council meetings are held monthly and postgraduate students are encouraged to attend. SUPRA committees and networks help to coordinate activities and run campaigns, and are a great way to get involved. All postgraduates can stand for the council or attend any SUPRA events provided they are a SUPRA subscriber (see below).

Advice and advocacy
SUPRA employs professional student advice and advocacy officers (SAAOs) to help postgraduate students with any academic or personal problems that may affect their study, such as:

• fee payment and administrative issues
• academic appeals and exclusions
• supervision problems
• tenancy issues
• Centrelink and financial assistance concerns
• harassment and discrimination.

This is a free and confidential service for all postgraduates at the University of Sydney. To access the SAAO service, you must be a SUPRA subscriber. It's free to subscribe and you can do it online, in the office, or when you see an SAAO. To find out more about the SAAO service, email help@supra.usyd.edu.au

Publications
SUPRA places the highest priority upon communication, being responsive to postgraduates and encouraging maximum participation in SUPRA through the following publications:

• eGrad, a regular email bulletin
• The Postgraduate Survival Manual
• Thesis Guide
• our weekly double-page spread in Honi Soit, the student newspaper
• a range of handbooks, fact sheets and brochures.

Electronic versions are available at www.supra.usyd.edu.au

All of SUPRA’s services, activities and publications are free to SUPRA subscribers. By subscribing, you also show your support for all the work that SUPRA does on your behalf. It's free to subscribe and you can sign up online or drop into the SUPRA offices and fill out a form.

SUPRA Office
Raglan Street Building, G10
Corner Raglan Street and Abercrombie Street
Phone: +61 2 9351 3715 (local) or 1800 249 950 (toll free within Australia)
Fax: +61 2 9351 6400
Email: admin@supra.usyd.edu.au
Website: www.supra.usyd.edu.au

University of Sydney Union (USU)
As the largest university union in Australia, the USU is a major provider of exciting cultural, social, political, and charitable activities, as well as quality on-campus food and retail services, entertainment, events and programs that service the entire university community.

The USU offers an array of programs to its members to promote cultural life on campus, including awards, grants and prizes in leadership, literature, debating, photography, film, drama, philanthropy,
music and art. The USU Debating Team is a formidable force, currently ranked first in the world, and the USU also funds the oldest continuing theatre group in Australia, the Sydney University Dramatic Society.

The USU keeps the campus alive with big-name gigs and exhilarating events held throughout the year at its bars Manning and Hermann’s. Each year the USU holds major festivals and events such as O-Week, Beachball and the Verge Arts Festival.

For more information on USU, see www.usuonline.com

Access Card Benefits Program
The USU offers membership to its award-winning Access Benefits Program, your gateway to benefits and discounts at more than 55 selected food, retail and entertainment partners off and on campus, as well as access to USU’s programs including internships, student positions and volunteering opportunities.

For more information, see www.accessbenefits.com.au

Clubs and societies
The USU funds, accommodates, trains and supports more than 200 clubs and societies – groups that USU members can join and operate to meet others with shared interests. Clubs and societies organise their own activities and events with funding from the USU. Being part of a club or society is the best way to connect, socialise, network and gain valuable skills, training and experience.

There are clubs and societies focused on politics, culture, the arts, the environment, religion, volunteer, faculties, games, hobbies and passions. If there isn’t a club or society that suits your interests, the USU will help you start your own.

For more information, see the clubs and societies section of the USU website www.usuonline.com

C&S Office
University of Sydney Union
Level 1, Manning House, Manning Road
Phone: +61 2 9563 6161
Email: clubsandsocs@usu.usyd.edu.au

The USU Student Leadership Program
The USU offers a range of development opportunities for its student members, ranging from board director positions, club and society executives, festival directors, debate directors, editors, volunteers, and community portfolio convenors.

The USU’s programs not only entertain, but teach and prepare participants for life beyond graduation. USU programs include mentoring, personal development, and leadership training, providing the opportunity to add a different dimension to your tertiary education.

For more details, see the ‘Get Involved’ section of www.usuonline.com

Sydney Uni Sport & Fitness
Sydney Uni Sport & Fitness invites you to enjoy a healthier University experience.

Get access to three world-class, on-campus facilities, over 40 different sports clubs, more than 30 dance, recreation and sport short courses, plus get involved in popular social sporting activities through our range of maximum value membership options.

The vast array of sports clubs for men and women ranges from AFL to water polo, with competitions ranging from local social competitions to nationwide leagues, all giving you the chance to improve your performance under the guidance of some of Australia’s most accomplished coaches and sportspeople.

Purpose-built venues offer tennis and squash courts, rock-climbing, fitness equipment, a martial arts room and an Olympic-size heated swimming pool.

Check out the historic and panoramic sporting ovals, rowing sheds and a multipurpose facility at Tempe, and don’t forget the on-campus Grandstand sports bar and restaurant.

Sydney Uni Sport & Fitness
University Sports & Aquatic Centre
Corner Codrington Street and Darlington Road
Phone: +61 2 9351 4960
Fax: +61 2 9351 4962
Email: admin@sport.usyd.edu.au
Website: www.susf.com.au

Facilities
Sydney Uni Sport & Fitness has three main fitness centres.

University Sports & Aquatic Centre
Corner Codrington Street and Darlington Road
Darlington Campus
Phone: +61 2 9351 4978
Email: nmrc@sport.usyd.edu.au

Facilities at the centre include:
- 50-metre heated Olympic swimming pool
- modern fitness centre
- group fitness studio
- RPM studio
- six synthetic tennis courts
- four squash courts
- multifunction sports hall
- health assessments and fitness testing
- personal training
- Sports Bistro & Mint Cafe.

Arena Sports Centre and the Ledge Climbing Centre
Western Avenue
Camperdown Campus
Phone: +61 2 9351 8111
Email: arenaman@sport.usyd.edu.au

Facilities at the Arena Sports Centre and the Ledge Climbing Centre include:
- extensive weights training room
- yoga classes
- 8-metre-tall rock climbing walls
- bouldering facilities
- personal training
- multipurpose sports hall
- two squash courts
- sports clinic
- Ralph’s Café.

HK Ward Gymnasium
Between Ovals 1 and 2
Camperdown Campus
Phone: +61 2 9351 4988
Email: hk@sport.usyd.edu.au

Facilities at the gymnasium include:
- martial arts facility
- sports hall
- boxing ring and gymnasium
- group fitness studio
- boxercise and kickboxing classes
- ergometer training
- sports equipment hire.
International students

The following information is for international students studying onshore on an Australian student visa.

Completion within the expected duration

Education providers are required to ensure that international students complete their studies within the duration specified on the electronic Confirmation of Enrolment (eCoE). Extensions to a student’s course duration are allowed only in limited circumstances (for example, for compassionate or compelling reasons, where an intervention strategy has been implemented or where there has been an approved leave of absence or suspension).

It is important students ensure they are on track to complete their studies within the expected duration, or that they have permission from their faculty to extend their duration.

Satisfactory academic progress

Maintaining satisfactory course progress is a mandatory student visa condition. Education providers are required to monitor course progress, intervene where students are at risk of failing to achieve satisfactory course progress, notify students who fail to achieve satisfactory course progress, and report students who fail to achieve satisfactory course progress to the Department of Immigration and Citizenship (DIAC).

It is important that every student is aware of the progress rules for their course and participates in the intervention strategies implemented by their faculty. Exclusion from a course due to unsatisfactory progress can have serious implications for student visa holders including visa cancellation and restrictions on returning to Australia.

The University provides many avenues of support for students who are struggling academically. International students who experience any difficulties with their academic progress should consult their faculty, the international student advisers in the International Office or the counsellors in the International Student Support Unit (ISSU).

Distance/web-based study

International students may undertake no more than 25 per cent of their total course by distance and/or online learning. Students must not enrol in exclusively distance or online study in any compulsory study period.

Students who are supported by United States Financial Aid are not permitted to undertake distance and/or online learning at any time during their course of study.

Work permits

International students with a work permit are permitted to work for up to 20 hours per week during semester and full-time during the University’s official holiday periods. Contact the international student advisers in 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 subsequent change of address within seven days. This should be done online via the University’s MyUni student portal (http://myuni.usyd.edu.au).

Sponsored students

Sponsored students need permission from their sponsors before transferring courses, suspending their studies or varying their study load. Students sponsored by the Australian Government (AusAID, Endeavour), or Asia Development Bank (ADB) should contact the International Office in the early stages of considering a change to their program.

Suspension/discontinuation

The University is required to report to DIAC any international students who discontinue or suspend their studies. Students who suspend their studies for medical or compassionate reasons should contact the international student advisers in the International Office urgently.

Health cover

The Australian Government requires that all international students and their families pay for health insurance in Australia through the Overseas Student Health Cover (OSHC) scheme. The University-preferred provider is OSHC Worldcare. The International Office will, on receipt of the student’s first payment of tuition fees and the OSHC premium, pay the compulsory amount to OSHC Worldcare on their behalf.

OSHC provides free access to the University health service and public hospitals. Higher-level coverage (eg access to private hospitals coverage for spouse and family) is the student’s responsibility. Alternatively, international students may arrange their own OSHC through an approved provider. You can find a list of approved OSHC providers by searching for ‘OSHC’ on the federal government’s Department of Health and Ageing website: www.health.gov.au

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. It allows both first and second semester entry to undergraduate courses at the University of Sydney and other Australian universities.

The University of Sydney Foundation Program

Taylors College

965 Bourke Street

Waterloo NSW 2017

Phone: +61 2 8303 9700

Fax: +61 2 8303 9777

Email: info@taylorscollege.edu.au

Website: www.usyd.edu.au/foundationprogram
International Office

The International Office provides advice and assistance with application, admission and enrolment procedures for international students. The International Office also includes units responsible for international marketing, government and student relations, international scholarships, including AusAID scholarships and administrative support for international financial aid programs, and compliance with government regulations related to international students.

The International Office also coordinates student exchange and study abroad programs, and other inter-institutional links. The Study Abroad and Exchange unit helps domestic and international students who wish to enrol in such programs.

International Admissions and Customer Services
Level 4, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 8627 8300
Future student enquiries: 1800 899 376 (domestic free call)
Fax: +61 2 8627 8387
Email: info@io.usyd.edu.au
Website: www.usyd.edu.au/internationaloffice

Study Abroad
Phone: +61 2 8627 8322
Fax: +61 2 8627 8390
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studyabroad

Student Exchange
Phone: +61 2 8627 8322
Fax: +61 2 8627 8390
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studentexchange

International Student Support Unit

The International Student Support Unit (ISSU) provides support to international students through the provision of information, orientation programs, welfare advice and counselling.

The ISSU provides advice to international students on:
- preparations before leaving their home country
- what to expect upon arrival in Sydney
- emotional changes that can take place when moving to a different country
- academic concerns, including understanding the University system and liaising with staff members
- organising letters for family visits
- preparing to return to their home country.

The ISSU has two offices:

Darlington Campus
Level 5, Jane Foss Russell Building, G02
University of Sydney
NSW 2006 Australia

Phone: +61 2 8627 8437
Fax: +61 2 8627 8482
Email: info@issu.usyd.edu.au
Website: www.usyd.edu.au/stuserv/issu

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Email: ISSU.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/stuserv/issu
Essential information for students

Calendar
The annual University of Sydney Calendar and its online updates are the University of Sydney's central source of official information.

The Calendar provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the resolutions of the Senate relating to constitutions of and courses in each faculty. The statutes and regulations, as well as some resolutions of the Senate, are also available on Policy Online (www.usyd.edu.au/policy).

Along with the University of Sydney handbooks, the Calendar forms the official legal source of information relating to study at the University of Sydney.

The latest Calendar is available in hard copy from the Student Centre. It is also available online (at www.usyd.edu.au/calendar). The PDF and Word document files can be downloaded and printed if required.

Coursework Rule
It is very important that students are aware of the University of Sydney (Coursework) Rule 2000, which governs all coursework award courses in the University.

The Coursework Rule relates to:
- award course requirements
- credit points and assessment
- enrolment
- credit
- cross-institutional study and its upper limits
- progression
- discontinuation of enrolment and suspension of candidature
- unsatisfactory progress and exclusion
- exceptional circumstances
- award of degrees
- diplomas and certificates
- transitional provisions.

It should be read in conjunction with two other documents:
- The University of Sydney (Amendment Act) Rule 1999
- Senate resolutions and faculty resolutions relating to each award course (found in the relevant faculty handbook).

The Coursework Rule can be found in the following places:
- The University of Sydney Calendar (print or online version): www.usyd.edu.au/calendar
- Policy Online: www.usyd.edu.au/policy
- Handbooks Online: www.usyd.edu.au/handbooks/university_information/01_uni_coursework_rule

PhD Rule
The University of Sydney (Doctor of Philosophy (PhD)) Rule 2004 deals with matters relating to the degree of Doctor of Philosophy, including admission, probation, supervision and submission of theses.

It should be read in conjunction with two other documents:
- The University of Sydney (Amendment Act) Rule 1999
- Senate and faculty resolutions relating to each award course (found in the relevant faculty handbook).

The PhD Rule can be found in the following locations:
- The University of Sydney Calendar (print or online version): www.usyd.edu.au/calendar
- Policy Online: www.usyd.edu.au/policy
- Handbooks Online: www.usyd.edu.au/handbooks/postgrad_hb/ap04_phd_rule.shtml

Plagiarism
The University of Sydney is opposed to and will not tolerate plagiarism. It is the responsibility of all students to:
- Academic Honesty in Coursework (plagiarism) policy

The University will treat all identified cases of student plagiarism seriously, in accordance with this policy and procedure, and with Chapter 8 of the University of Sydney By-Law 1999 (as amended), which deals with student discipline.

Students at Risk Policy
The Students at Risk Policy enables early detection of students who are making poor or unsatisfactory progress and are therefore at risk of exclusion from their degree.

The policy outlines procedures and processes to support students in their ongoing studies, including:
- timely intervention and the provision of advice and assistance
- regularly and effectively advising students of progress requirements
- identifying students at risk
- alerting students that they are at risk
- providing assistance to address the risk
- tracking the progress of students after they are identified as being at risk.

For more information on this policy, please see the Secretariat website (www.usyd.edu.au/secretariat/students/riskstudents).

Grievance Procedure
The University's policy and procedures document on student grievances, appeals and applications for review is available on the Policy Online website (www.usyd.edu.au/policy).

The Grievance Procedure document is a statement of the University’s processes for handling student grievances, appeals and applications for review regarding academic and non-academic matters.

Study at the University presents opportunities for interacting with other members of the University community. The University recognises and values the diversity of student experiences and expectations, and is committed to treating students, both academically and administratively, in a fair and transparent manner.
Listed below are commonly used acronyms that appear in University documents and publications. (See also the Glossary.)

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<tr>
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<td>Aboriginal Study Assistance Scheme (ABSTUDY)</td>
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<td>AC21</td>
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<td>ACER</td>
<td>Australian Council for Educational Research (ACER)</td>
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<td>ALTC</td>
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<td>Asia-Pacific Economic Cooperation (APEC)</td>
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<td>ARC</td>
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<td>ARTS</td>
<td>Automated Results Transfer System (ARTS)</td>
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<td>ASDOT</td>
<td>Assessment Fee Subsidy for Disadvantaged Overseas Students (ASDOT)</td>
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<td>ATAR</td>
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<td>Commonwealth Department of Education, Employment and Workplace Relations (DEEWR)</td>
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<td>DEST</td>
<td>Commonwealth Department of Education, Science and Training (DEST)</td>
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<td>NSW Department of Education and Training (DET)</td>
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<td>Department of Immigration and Citizenship (DIAC)</td>
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<td>D-IRD</td>
<td>Discovery-Indigenous Researchers Development Program (D-IRD)</td>
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<td>DOGS</td>
<td>Director of Graduate Studies (DOGS)</td>
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<td>DVC</td>
<td>Deputy Vice-Chancellor (DVC)</td>
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<td>Enterprise bargaining (EB)</td>
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<td>Equivalent full-time student load (EFTSL)</td>
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<td>Equivalent full-time student unit (EFTSU)</td>
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<td>English Language Intensive Course of Study (ELICOS)</td>
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<td>Full-time equivalent (FTE)</td>
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<td>Graduate destination survey (GDS)</td>
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<td>Group of Eight (Go8)</td>
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<td>GWSLN</td>
<td>Greater Western Sydney Learning Network (GWSLN)</td>
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<tr>
<td>HD</td>
<td>High distinction</td>
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<tr>
<td>HDR</td>
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<tr>
<td>HECS</td>
<td>Higher Education Contribution Scheme (replaced by HECS-HELP)</td>
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<tr>
<td>HECS-HELP</td>
<td>Higher Education Contribution Scheme - Higher Education Loan Program</td>
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<td>HEEP</td>
<td>Higher Education Equity Program</td>
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<td>HEIMS</td>
<td>Higher Education Information Management System</td>
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<td>HEIP</td>
<td>Higher Education Innovation Program (DEEWR)</td>
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<td>HELP</td>
<td>Higher Education Loan Program</td>
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<td>HEO</td>
<td>Higher education officer</td>
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<tr>
<td>HEP</td>
<td>Higher education provider</td>
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<td>HERDC</td>
<td>Higher Education Research Data Collection</td>
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<td>HESA</td>
<td>Higher Education Support Act</td>
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<td>ROA</td>
<td>Head of administrative unit</td>
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<tr>
<td>HOD</td>
<td>Head of department</td>
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<tr>
<td>HOS</td>
<td>Head of school</td>
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<tr>
<td>IAF</td>
<td>Institutional Assessment Framework</td>
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<tr>
<td>IAS</td>
<td>Institute of Advanced Studies</td>
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<tr>
<td>ICT</td>
<td>Information and communication technology</td>
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<td>IELTS</td>
<td>International English Language Testing Scheme</td>
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<td>IGS</td>
<td>Institutional Grants Scheme (DEEWR)</td>
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<td>IO</td>
<td>International Office</td>
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<td>IP</td>
<td>Intellectual property</td>
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<td>IPRS</td>
<td>International Postgraduate Research Scholarships</td>
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<td>IREX</td>
<td>International Researcher Exchange Scheme</td>
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<td>ISFP</td>
<td>Indigenous Support Funding Program</td>
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<tr>
<td>ISIG</td>
<td>Innovation Summit Implementation Group</td>
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<td>ISSU</td>
<td>International Student Services Unit</td>
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<td>ITL</td>
<td>Institute for Teaching and Learning</td>
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<td>JASON</td>
<td>Joint Academic Scholarships Online Network</td>
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<td>LBOTE</td>
<td>Language background other than English</td>
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<td>MISG</td>
<td>Management Information Steering Group</td>
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<td>MNRF</td>
<td>Major National Research Facilities Scheme</td>
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<td>MOU</td>
<td>Memorandum of understanding</td>
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<td>MRB</td>
<td>Medical Rural Bonded Scholarship Scheme</td>
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<td>NBCTOP</td>
<td>National Bridging Courses for Overseas Trained Program</td>
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<td>NCG</td>
<td>National Competitive Grant</td>
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<td>NESB</td>
<td>Non-English-speaking background</td>
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<td>NHMRC</td>
<td>National Health and Medical Research Council</td>
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<td>NOIE</td>
<td>National Office for the Information Economy</td>
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<td>NOOSR</td>
<td>National Office for Overseas Skill Recognition</td>
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<td>NRSL</td>
<td>Non-recent school leaver</td>
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<td>NSW VCC</td>
<td>New South Wales Vice-Chancellors' Conference</td>
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<td>NTEU</td>
<td>National Tertiary Education Industry Union</td>
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<td>NUS</td>
<td>National Union of Students</td>
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<td>OECD</td>
<td>Organisation for Economic Cooperation and Development</td>
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<td>OLA</td>
<td>Open Learning Australia</td>
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<td>OPRS</td>
<td>Overseas Postgraduate Research Scholarships</td>
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<td>OS-HELP</td>
<td>Overseas Student - Higher Education Loan Program</td>
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<td>P</td>
<td>Pass</td>
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<td>PCON</td>
<td>Pass (Concessional)</td>
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<td>PELS</td>
<td>Postgraduate Education Loans Scheme</td>
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<td>PSO</td>
<td>Planning Support Office</td>
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<td>PVC</td>
<td>Pro-Vice-Chancellor</td>
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<td>QA</td>
<td>Quality assurance</td>
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<td>GACG</td>
<td>Quality Advisory and Coordination Group</td>
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<td>R &amp; D</td>
<td>Research and development</td>
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<td>R &amp; R</td>
<td>Restructuring and Rationalisation Program</td>
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<td>RC</td>
<td>Responsibility Centre</td>
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<td>REG</td>
<td>Research and earmarked grants</td>
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<td>REP</td>
<td>Research Education Program</td>
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<td>RFM</td>
<td>Relative Funding Model</td>
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<td>RIA</td>
<td>Research Institute for Asia and the Pacific</td>
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<td>RIBG</td>
<td>Research Infrastructure Block Grant (DEEWR)</td>
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<td>RIEF</td>
<td>Research Infrastructure Equipment and Facilities Scheme</td>
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<td>RIMS</td>
<td>Research Information Management System</td>
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<td>RISF</td>
<td>Restructuring Initiatives Support Fund</td>
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<td>RMO</td>
<td>Risk Management Office</td>
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<td>ROA</td>
<td>Record of Achievement</td>
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<tr>
<td>RQ</td>
<td>Research Quantum</td>
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<tr>
<td>RQF</td>
<td>Research Quality Framework</td>
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<td>RQU</td>
<td>Recognition Quality Unit (Higher Education Division, DEEWR)</td>
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<td>RTSR</td>
<td>Research and Research Training Management Reports</td>
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<td>RSL</td>
<td>Recent school leaver</td>
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<td>SADF</td>
<td>Strategic Development Fund</td>
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<td>SEG</td>
<td>Senior Executive Group</td>
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<td>SES</td>
<td>Socioeconomic status</td>
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<td>SI</td>
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<td>SLE</td>
<td>Student Learning Entitlement</td>
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<td>SNA</td>
<td>Safety net adjustment</td>
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<td>SPR</td>
<td>Student Progress Rate</td>
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<td>SRC</td>
<td>Students' Representative Council</td>
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<td>SSP</td>
<td>Special Studies Program</td>
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<td>SSR</td>
<td>Student–staff ratio</td>
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<td>STABEX</td>
<td>Study Abroad Exchange (database)</td>
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<td>SUPRA</td>
<td>Sydney University Postgraduate Representative Association</td>
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<td>SUSF</td>
<td>Sydney Uni Sport &amp; Fitness</td>
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<td>TAFE</td>
<td>Technical and Further Education</td>
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<tr>
<td>TOEFL</td>
<td>Test of English as a foreign language</td>
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<td>TPI</td>
<td>Teaching performance indicator</td>
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<tr>
<td>Abbreviation</td>
<td>Description</td>
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<td>UAC</td>
<td>Universities Admissions Centre</td>
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<td>UAI</td>
<td>Universities Admission Index (replaced by ATAR)</td>
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<td>UMAP</td>
<td>University Mobility in Asia and the Pacific</td>
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<td>UNESCO</td>
<td>United Nations Educational, Scientific and Cultural Organisation</td>
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<td>UNSW</td>
<td>University of New South Wales</td>
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<td>UPA</td>
<td>University Postgraduate Awards</td>
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<td>University of Sydney Union</td>
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<td>University of Technology, Sydney</td>
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<td>VCAC</td>
<td>Vice-Chancellor's Advisory Committee</td>
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<td>VET</td>
<td>Vocational Education and Training</td>
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<td>VSU</td>
<td>Voluntary Student Unionism</td>
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<td>WAM</td>
<td>Weighted Average Mark</td>
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<td>WRP</td>
<td>Workplace Reform Program</td>
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<td>WTO</td>
<td>World Trade Organization</td>
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<td>YFE</td>
<td>Year of first enrolment</td>
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Glossary

For a table of commonly used acronyms and abbreviations that appear in University documents and publications, see Abbreviations.

This glossary describes terminology in use at the University of Sydney.

A

Academic Board
The senior academic body within the University. The Academic Board has, as principal responsibility, to maintain the highest standards in teaching, scholarship and research at the University and advises Senate and the Vice-Chancellor in that regard. In conjunction with faculties, the Academic Board has responsibility for approving new or amended courses and endorsing faculty development of units of study. The Board is also responsible for the formulation and review of policies, guidelines and procedures in relation to academic matters. For further information, see the University of Sydney (Academic Governance) Rule 2003 (as amended).

Academic Consortium 21 (AC21)
An international network, of which the University is a member, which comprises educational, research and industrial organisations throughout the world with the objective of encouraging the further advancement of global cooperation to the benefit of higher education and to contribute to world and regional society.

Academic cycle
The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester One to the completion of the processing of results at the end of Semester Two. See also ‘Academic year’, ‘Stage’.

Academic dishonesty
Academic dishonesty occurs when one person 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. 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 ‘Academic record’, ‘External transcript’, ‘Internal transcript’.

Academic year
The current calendar year in which a student is enrolled. See also ‘Academic cycle’, ‘Stage’.

Ad eundem gradum
Long-standing full-time members of the University’s academic and general staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission Ad eundem gradum (‘to the same degree’) to an appropriate degree of the University.

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 undergraduate courses is based on performance in the HSC, with applicants ranked on the basis of their Australian Tertiary Admissions Rank (ATAR).

Other criteria such as a portfolio, audition, or results in standard tests may also be taken into account for certain courses. Admission to postgraduate courses is normally on the basis of performance in a prior undergraduate degree and other criteria as specified in the relevant degree resolutions.

Admission basis
The main criterion used by a faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies, work experience, special admission, and the Australian Tertiary Admissions Rank (ATAR).

Admission (Deferral)
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. (Note: this policy is currently under review.)

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 ‘Course’.

Advanced standing
See ‘Credit’.

Aegrotat
In exceptional circumstances involving serious illness or death of a student prior to completion of their course, the award of an aegrotat, or posthumous degree or diploma, may be conferred.

Alumni
See ‘Graduate’.

Alumni sidneiensis
A searchable database of graduates of the University from 1857 to approximately 30 years prior to the current year.

To view the latest update, download, purchase or search a handbook visit Handbooks online: www.usyd.edu.au/handbooks
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:

\[ AAM = \frac{\sum (\text{marks} \times \text{credit point value})}{\sum (\text{credit point value})} \]

(Sums over all units of study completed in the selected period.)

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 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.

Annual Report
The University's yearly financial and audit report, submitted to the NSW Parliament. It also includes a broad range of the University's activities and the strength of their performance in relation to the University's stated roles, values and goals.

Appeals
Students may lodge an appeal against academic or disciplinary decisions. See also 'Student Appeals Body', 'Student Disciplinary Appeals Committee'.

Appeals against an academic decision
A student may appeal to the Student Appeals Body against a decision by the University that affects the academic assessment or progress of a student within his or her award course, including a decision:

(a) to exclude a student in accordance with the University of Sydney (Coursework) Rule 2000 (as amended)
(b) not to readmit or re-enrol a student following exclusion in accordance with the University of Sydney (Coursework) Rule 2000 (as amended)
(c) to terminate a student's candidature for a postgraduate award.

Appeal against a disciplinary decision
A student may appeal to the Student Disciplinary Appeals Committee against a determination being:

(a) a finding by the Vice-Chancellor or the Student Proctorial Board that the student is guilty of misconduct
(b) the imposition of a penalty upon the student by the Vice-Chancellor or the Student Proctorial Board
(c) an order made by the Vice-Chancellor or the Student Proctorial Board.

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'.

Formative assessment
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 limits in their knowledge and understanding.

Summative assessment
Summative assessment is used to certify competence, or to rank students by 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 to provide particular expertise or additional experience in supervision. See also 'Instrumental supervisor/teacher', 'Research supervisor', 'Supervision'.

Association of Pacific Rim Universities (APRU)
A consortium of leading research universities in the Pacific Rim, of which the University is a member. APRU aims to foster education, research and enterprise, thereby contributing to economic, scientific and cultural advancement in the Pacific Rim.

Assumed knowledge
For some units of study, a student is assumed to have passed a relevant subject in the HSC – 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 that unit of study. See also 'Prerequisite'.

Attendance mode or attendance pattern
The attendance pattern for a course is full-time, part-time or external, depending on the student attendance requirements and student load.

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).

Australian Tertiary Admissions Rank (ATAR)
A measure of overall academic achievement in the HSC that helps universities rank applicants for university selection. The ATAR is a rank of any student's performance relative to other students. It is calculated from the aggregate of scaled marks in 10 units of the HSC (two best English units plus eight other units, including only two category B units) and is presented as a number between 0.00 and 99.95 with increments of 0.05. The ATAR replaced the Universities Admissions Index (UAI) in June 2009.

Austudy
Provides financial help to students who are 25 years old or over 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 access to a student's electronic academic record, via an admission centre or tertiary institution.
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C

Cadigal program
A program, named in recognition of the Aboriginal people of the land on which the University is located, designed to increase the successful participation of Aboriginal and Torres Strait Islander people in degree courses in all faculties at the University of Sydney.

Calendar
See 'University Calendar'.

Campus
The grounds on which the University is situated. There are 10 campuses of the University of Sydney:

- Burren Street (Institute for International Health, Institute of Transport and Logistics Studies)
- Camperdown and Darlington (formerly known as Main Campus)
- Camden (Agriculture, Food and Natural Resources; and Veterinary Science)
- Conservatorium (Sydney Conservatorium of Music)
- Cumberland (Health Sciences)
- Mallett Street (Nursing and Midwifery)
- Rozelle (Sydney College of the Arts)
- St James (Law teaching spaces)
- Surry Hills (Dentistry).

Cancellation of enrolment
The University may cancel a student's enrolment for non-payment of fees.

Candidature
A person is 'admitted to candidature' on the date on which he or she accepts the University's offer of admission to an award course, in accordance with University and government requirements as amended from time to time. There are maximum periods and in some cases minimum periods of candidature depending on the award course and whether the candidate is a full-time or part-time student.

Census date
The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEEWR. See also 'Commonwealth Supported Place', 'HECS-HELP'.

Ceremony
See 'Graduation ceremony'.

Chancellor
The non-executive head of the University. An honorary position, the Chancellor presides over meetings of the University's governing body, the Senate, and important ceremonial occasions such as graduations.

Clinical experience
Students undertake clinical placements in a professional environment as part of their course requirements. Many require University-approved supervision. In order to undertake clinical placements a student may be required to fulfil additional requirements.

Combined degree
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 'Double degree'.

Commencement date
The date a student commences their candidature.

Commonwealth Supported Place (CSP)
(Previously known as a HECS Place.) A student in a Commonwealth Supported Place makes a contribution towards the cost of their education (known as the student contribution) while the Australian Government contributes the majority of the cost.

Confirmation of Enrolment notice (COE)
This notice 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 student-contribution weights. Until all fees are paid, it is issued provisionally. A new confirmation of enrolment notice is produced every time a student's enrolment is varied.

Conjoint ventures
This is when two or more institutions cooperate to provide a unit or course of study to postgraduate coursework students. In these arrangements, 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 currently administered by the Centre for Continuing Education (CCE) and a number of departments and foundations across the University. This process supports the whole life learning concept and involves the maintenance of a long-term relationship between the student and the University.

Convocation
A body that comprises: the Fellows and former Fellows of the Senate of the University of Sydney; members of the former governing bodies of the institutions with which the University has amalgamated or their predecessors; the graduates of the University of Sydney, including graduates of the institutions with which the University has amalgamated or their predecessors; professors and other full-time members of the academic staff of the University; and principals of the incorporated colleges.

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 that 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
A program of study at the University of Sydney. The main types of course are:

Award course
A formal course of study that will see attainment of a recognised award. Award courses are approved by Academic Board and endorsed by Senate. 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 that do not lead to an award from the University. Non-award courses include professional development programs. 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 work, other forms of instruction and learning will normally be dominant.
Research
A course in which at least 66 per cent of the overall course requirements involve students undertaking supervised research over a prescribed period of time, leading to the production of a thesis or other piece of written or creative work.

Course alias
A unique five character alpha-numeric code which identifies a University course.

Course code
See 'Course alias'.

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 that 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. For example, a candidate may not enrol in units of study that have a total value of more than 32 credit points per semester.

Course rules also govern the requirements for the award of the course. For example, in many cases a candidate must complete a minimum of 144 credit points. See also 'Course', 'Corequisite', 'Prerequisite'.

Course transfer
 Applies to students transferring between courses, either within the University of Sydney or between institutions. In some circumstances a student may be eligible to transfer to a course directly, ie without reapplying for admission.

Credit
The recognition of previous studies successfully completed at the University of Sydney (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. It 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 'Annual average mark (AAM)', '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 normally has a six 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
Enrolment in units of study to count towards an award course at another university. See also 'Course (Non-award course)'.

Data Audit Committee (DAC)
The Data Audit Committee's role is to oversee the integrity and accuracy of the course and unit of study data as strategic University data. It also advises the Academic Board on suggested policy changes related to course and unit of study data. A subcommittee of the VCAC Enrolment Working Party, it is chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and Planning and Statistics.

Deadlines (Enrolment variations)
See 'Enrolment variation'.

Deadlines (Fees)
The University has deadlines for the payment of course and other fees. Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record. See also 'Cancellation of enrolment'.

Dean
The head of a faculty, or the principal/director of a college, such as the Sydney Conservatorium of Music, or Sydney College of the Arts.

Dean's Certificate
A statement from a faculty 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.

Deferment (Deferral)
See also 'Admission (Deferral)', 'Course leave'.

Degree
See also 'Bachelor's degree', 'Course'.

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. For example, 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, a student may only attend campus if required. See also 'Distance education', 'Extended semester', 'International student (Offshore studies)'.

Intensive on-campus
Core content is delivered with support learning in an intensive (one or more days) format on campus. Participation is usually compulsory. Previously this may have been called residential, block mode, or weekend workshop.

On-campus (normal)
Attendance of scheduled lectures, tutorials etc at a campus of the University.

Department
A department is the academic unit responsible for teaching and examining a unit of study. It may be called a school, a department, a centre or a unit within the University. See 'School'.

Department of Education, Employment and Workplace Relations (DEEWR)
The federal government department responsible for higher education.

Department of Education, Science and Training (DEST)
Previous name of the federal government department now known as DEEWR.
Diploma
The award granted following successful completion of diploma course requirements. A diploma course usually requires less study than a degree course. See also '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', "Universities Admissions Centre".

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 is only available to authorised users because of its sensitive nature. Students will be informed about how it is used.

Disciplinary action
Undertaken as the result of academic or other misconduct, for example plagiarism, cheating, security infringement, criminal activity.

Discipline
A defined area of study, such as chemistry, physics or economics.

Discipline group
A DEEWR 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 Law, and Architecture, Design and Planning.

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 may involve research only or a mixture of research and coursework; the candidate submits a thesis that is an original contribution to the field of study. See also '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
In some circumstances a student enrolled in a PhD may transfer 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.

E
Elective
A unit of study within a degree, usually an option within a course. Electives allow more detailed study of a particular subject.

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, for example the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology, and Master of Information Technology.

Enrolled student
A person enrolled in an award course of the University.

Enrolment
Refers to a period of time in a student's candidature. This period:

(a) commences at the time the student has complied with all government and University requirements for enrolment
(b) unless the student re-enrols, ceases at the date on which:
   i. the University cancels, or the student withdraws from or discontinues enrolment; or
   ii. the next new enrolment period commences.

A student enrols in a course by registering with the supervising faculty in the units of study or program of research 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 variation
Students may vary their enrolment at the start of each semester. Each faculty determines its deadlines for variations, but student-contribution liability depends on the Commonwealth census date. See also 'Commonwealth Supported Place'.

Equivalent full-time student load (EFTSL)
The equivalent full-time student load for a year. It represents the annual study load of a student undertaking a particular course of study on a full-time basis.

Equivalent full-time student unit (EFTSU)
See 'Equivalent full-time student load'.

Examination
A set of questions or exercises evaluating on a given subject given by a department or faculty. See also 'Assessment', 'Examination period'.

Examination period
The time set each semester for the conduct of formal examinations.

Examiner (Coursework)
The person assessing a student or group of students, for example through oral or written examinations, coursework assignments, and presentations.

Exchange student
Either a University of Sydney student participating in a formally agreed program involving study at an overseas university, or an overseas student 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 exclusions is set out in the Calendar. See also 'Appeals', 'Progression'.

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
- 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, such as illness, affect the student's ability to complete the module or program in the specified time. See also 'Distance education'.

External
See 'Attendance mode or attendance pattern', '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, the final course result, and all units of study attempted within each course. 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 enquiries 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
An annual University publication for each faculty, that provides detailed information about the faculty, its courses and resolutions.

FEE-HELP
An interest-free loan facility available to fee-paying postgraduate students who are undertaking coursework programs.

Fee-paying students
Students who pay tuition fees to the University and are not liable for student contributions to a Commonwealth Supported Place. The Commonwealth does not contribute towards the cost of the education of fee-paying students. Annual fees vary between the faculties. Students pay a per-semester fee.

Fellows of Senate
Members of the governing body of the University who are either elected, appointed or ex-officio.

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 Commonwealth-supported 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 also 'Assessment'.

Full-time student
See 'Attendance mode', 'Equivalent full-time student load'.

G
Grade
The outcome for a unit of study linked with a mark range. For example, a mark in the range 85 to 100 attracts the grade 'high distinction' (HD). See also 'Mark'.

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/graduate diploma
See 'Course'.

Graduate-entry degree
A bachelor's degree (or other 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 of Eight (Go8)
The Group of Eight represents Australia’s major research-intensive universities. Its membership comprises the vice-chancellors (presidents) of the Australian National University, Monash University, the University of Adelaide, the University of Melbourne, the University of New South Wales, the University of Queensland, the University of Sydney and the University of Western Australia. The Go8 works to ensure a consistent and sustainable policy environment which maximises the wide-ranging economic, social and cultural benefits to the Australian community of higher education and ensures Australian universities are recognised as among the best in the world.

Group work
A formally established project to be carried out by a number of students working together, resulting in a single piece (or assorted pieces) of assessment. See also 'Legitimate cooperation'.

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H

Handbook
See 'Faculties handbook'.

Head of department/Head of school (HOD/HOS)
The head of the academic unit that has responsibility for the relevant unit of study, or equivalent program leader.

Higher Education Contribution Scheme (HECS)
See ‘HECS-HELP’.

HECS-HELP
An eligible student in a Commonwealth Supported Place can apply for assistance in paying their student contribution. This may take the form of a HECS-HELP loan to pay for all or some of the student’s contribution, or a HECS-HELP discount if all (or at least $500) of the student’s contribution is paid by the census date.

Honorary degrees
A degree honoris causa is conferred on a person whom the University wishes to honour. It derives from the Latin translation of 'for the purpose of honouring'.

Honours
Some degrees may be completed ‘with honours’. This may involve the completion of a separate honours year or additional work in the later 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 Australian Tertiary Admissions Rank (ATAR) is computed from a student’s performance in the HSC and gives a maximum rank of 99.95.

I

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 have an instrumental teacher appointed. See also ‘Associate supervisor’, ‘Research supervisor’, ‘Supervision’.

Internal mode
See ‘Attendance mode or attendance pattern’.

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. 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 – non-award or 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 — this rests with their ‘home’ institution.

International – sponsored
A private international student who is fully sponsored for their tuition. Their sponsorship may also include 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 do not enter Australia. Therefore they do not require a visa. They 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 such 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, holders of Australian Development Scholarships 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 University under the Study Abroad scheme. Study Abroad students must have completed at least one year of study towards a degree at a recognised institution in their home country and must be returning towards the degree of their home institution. See also ‘Local student’, ‘Student type’.

L

Learning entitlement
See ‘Student learning entitlement’.

Leave
See ‘Course leave’.

Legitimate cooperation
Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through student interaction. See also ‘Group work’.

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 Load (EFTSL). See also ‘Equivalent full-time student load’.

Local student
Local students are defined as an Australian or New Zealand citizen or an Australian permanent resident. See also ‘Commonwealth Supported Place’, ‘Domestic student’, ‘International student’.
M

Major
A field of study, chosen by a student to represent their principal interest. This is comprised 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 ‘Course’, ‘Minor’, ‘Stream’.

Major timetable clash
The term used when a student attempts to enrol in units of study that have so much overlap in the teaching times that it is decided they may 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 ‘Course’.

Mature-age student
A student who is 21 years or older on 1 March of the year in which they commence studies, and who has not completed the high school qualifications normally needed to gain entry.

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)’.

Mid-year intake
Admission to degree programs for Semester Two.

Minor
Studies undertaken to support a major. Minor studies require 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 ‘Course’, ‘Major’, ‘Stream’.

Mixed mode
See ‘Attendance mode or attendance pattern’.

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 ‘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 access to email, library services, student self-administration, support services, e-learning software such as Blackboard and WebCT, as well as information about the University and its courses.

N

Non-award course
See ‘Course’.

Non-standard session
A teaching session other than the standard Semester One and Semester Two sessions – such as Sydney Summer School or Winter School, in which units of study are delivered and assessed in an intensive mode during January or July respectively. See also ‘Semester’, ‘Session’.

O

Orientation Week
Orientation Week, 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 also ‘Attendance mode or attendance pattern’, ‘Equivalent full-time student load’.

Permanent home address
The address used for all official University correspondence with a student, both inside and outside of semester time (eg during semester breaks), unless the student provides a different 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 ‘Course’, ‘Doctorate’.

Plagiarism
Presenting another person’s ideas, findings or work as one’s own by copying or reproducing them without acknowledging the source. See also ‘Academic dishonesty’.

Policy Online
The website which provides access to the University’s current policies, procedures and guidelines.

Postgraduate
A term used to describe a course leading to an award such as a graduate diploma, a master’s degree or a 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)
See ‘FEE-HELP’.

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’, ‘Qualifier’, ‘Waiver’.

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/school 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
Some students undertake placement in a professional practice as part of their course requirements. This may require University-approved supervision. Professional placements are located in a wide range of professional practice environments, and may not require additional criteria to be fulfilled.

Program
Each degree is composed of various units of study. The way the units are put together for a degree is referred to as a student's 'program'.

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'.

Recycling
The submission for assessment of one's own work, or of work which is substantially the same, that 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. See also 'Associate supervisor', 'Instrumental supervisor/teacher', 'Supervision'.

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.

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'.

Result processing
Refers to the processing of assessment results for units of study. For each unit of study, departments/schools tabulate results for all assessment activities and assign preliminary results. See also 'Assessment', 'Examination period', 'Formative assessment'.

Result processing schedule
The result processing schedule will be determined for each academic cycle. All schools and faculties are expected to comply with this schedule. See also 'Assessment', 'Examination period'.

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 that encourages and facilitates teaching, scholarship and research, and coordinates the teaching and examining duties of members of staff in their subjects or courses of study.

Semester
A half-yearly teaching session, the dates for which 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 'Non-standard session', 'Session'.

Semester address
The address to which all official University correspondence is sent during semester time, if different to the permanent address.

Senate
The governing body of the University. See the University Calendar (www.usyd.edu.au/calendar) for more details of its charter and powers.

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 DEEWR 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 'Non-standard session', 'Semester'.

Session address
See 'Semester address'.

Short course
A fee-paying student undertaking a short course with the University of Sydney such as professional development or executive training. The study undertaken by these students is a non-award course.

Show cause
See 'Exclusion', 'Progression'.

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.

Special Studies Program (SSP)
A period of release from normal duties to allow academic staff to undertake a planned program of academic activity and development.

Sponsorship
Financial support of a student by a company or government body.
Glossary

**Stage**
A normal full-time course of study taken in a year. See also ‘Course rules’, ‘Equivalent full-time student load’, ‘Progression’.

**Strategic Directions**
See also ‘University Strategic Directions’.

**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 testamurs, eg Bachelor of Engineering in Civil Engineering (Construction Management). See also ‘Course’, ‘Major’, ‘Minor’.

**Student**
A person enrolled as a candidate for an award course or unit of study.

**Student Appeals Body**
Any student may appeal to the Student Appeals Body against an academic decision on the ground that due academic process has not been observed by the relevant faculty in relation to the academic decision. Refer to the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 for more details. See also ‘Appeals’.

**Student Disciplinary Appeals Committee**
Any student may appeal to the Student Disciplinary Appeals Committee against a misconduct determination by the Vice-Chancellor or a Student Proctorial Board. See also ‘Appeals’.

**Student identifier (SID)**
A nine-digit number that uniquely identifies a student at the University.

**Student ID Card**
All full-time or part-time students who successfully enrol at the University of Sydney will receive a Student Card. New students will have their card issued in person at the time of enrolment. Successful re-enrolling students will receive their card by mail.

The Student Card includes the student’s name, student identification number (SID), a digitised photo and the library borrower’s number and barcode. Where applicable, it will also display a travel concession logo from the Ministry of Transport (if student eligibility requirements are met).

The card has a number of interoperable uses, such as the ability to purchase printing and photocopying services at the University’s libraries and gain access to certain secure buildings. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must also be presented to secure student concessions and to borrow books from all sections of the University Library.

For more information about Student ID Cards please visit the Card Centre (or see the website: www.usyd.edu.au/card_centre).

**Student learning entitlement**
All Australian citizens, New Zealand citizens and holders of a permanent visa are allocated a Student Learning Entitlement (SLE) of up to seven years equivalent full-time study. This is measured in equivalent full-time student load (EFTSL), which is the proportion of a full-time load that a unit of study represents. The University sets an EFTSL value for each unit of study it offers. To be Commonwealth-supported for a unit, a student must have enough SLE to cover the EFTSL value of that unit.

**Student progress rate (SPR)**
A calculation that measures the rate at which the 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 ‘Domestic student’, ‘Exchange student’, ‘International student’.

**Study Abroad program**
A scheme administered by the International Office that 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 the student’s 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, for example 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, such as 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. In the case where one course is jointly offered by two or more faculties (eg 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 ‘Associate supervisor’, ‘Instrumental supervisor/teacher’, ‘Research supervisor’.

**Suspension of candidature**
See also ‘Course leave’.

**Suppression of results**
Results for a particular student can be suppressed by the University when the student has an outstanding debt to the University (this particularly applies to international students who have not paid their tuition fees), or when the student is facing disciplinary action. A student may also request a suppression for personal reasons.

**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. Sydney Summer School provides an opportunity for students at Sydney and other universities to catch up on required 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, but some scholarships are available.

**Sydney Winter School**
An intensive session offered by the University in July during the mid-year break. See ‘Sydney Summer School’.
**Glossary**

**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 University award conferred is displayed along with other appropriate details.

**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.

**Universities Admissions Centre (UAC)**  
The UAC receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most local undergraduate students at the University of Sydney apply through the UAC.

**Universities Admission Index (UAI)**  
A measure of overall academic achievement in the HSC that helps universities rank applicants for university selection. The UAI is a rank of any student's performance relative to other students. It is calculated from the aggregate of scaled marks in 10 units of the HSC (two best English units plus eight other units, including only two category B units) and is presented as a number between 0.00 and 99.95 with increments of 0.05.

In June 2009 the UAI was replaced by the Australian Tertiary Admissions Rank (ATAR). See ‘Australian Tertiary Admissions Rank’.

**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**  
This indicates whether the student is still actively attending the unit of study (currently enrolled) or is no longer enrolled. See also ‘Cancellation of enrolment’, ‘Discontinuation’.

**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, the term ‘University’ in this document refers to the University of Sydney.

**University Calendar**  
The annual University publication available in print and online that provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the Senate resolutions relating to constitutions and courses in each faculty.

**University Medal**  
A faculty may recommend the award of a University Medal to a student qualified for the award of an undergraduate honours degree whose academic performance is judged to be outstanding.

**University Strategic Directions**  
This refers to the University of Sydney Strategic Plan 2007–2010. A new plan is currently in development.

**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.

**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.

**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’.
WAM weight
A weight assigned to each unit of study to assist in the calculation of WAMs.

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:

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

(Sums over all units of study completed in the selected period.)

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'.

Winter School
See 'Sydney Winter School'.

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 to 24 years of age who is enrolled at an approved institution such as a school, college, TAFE or university, and who is undertaking at least 15 hours a week face-to-face contact.
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Total credit points