

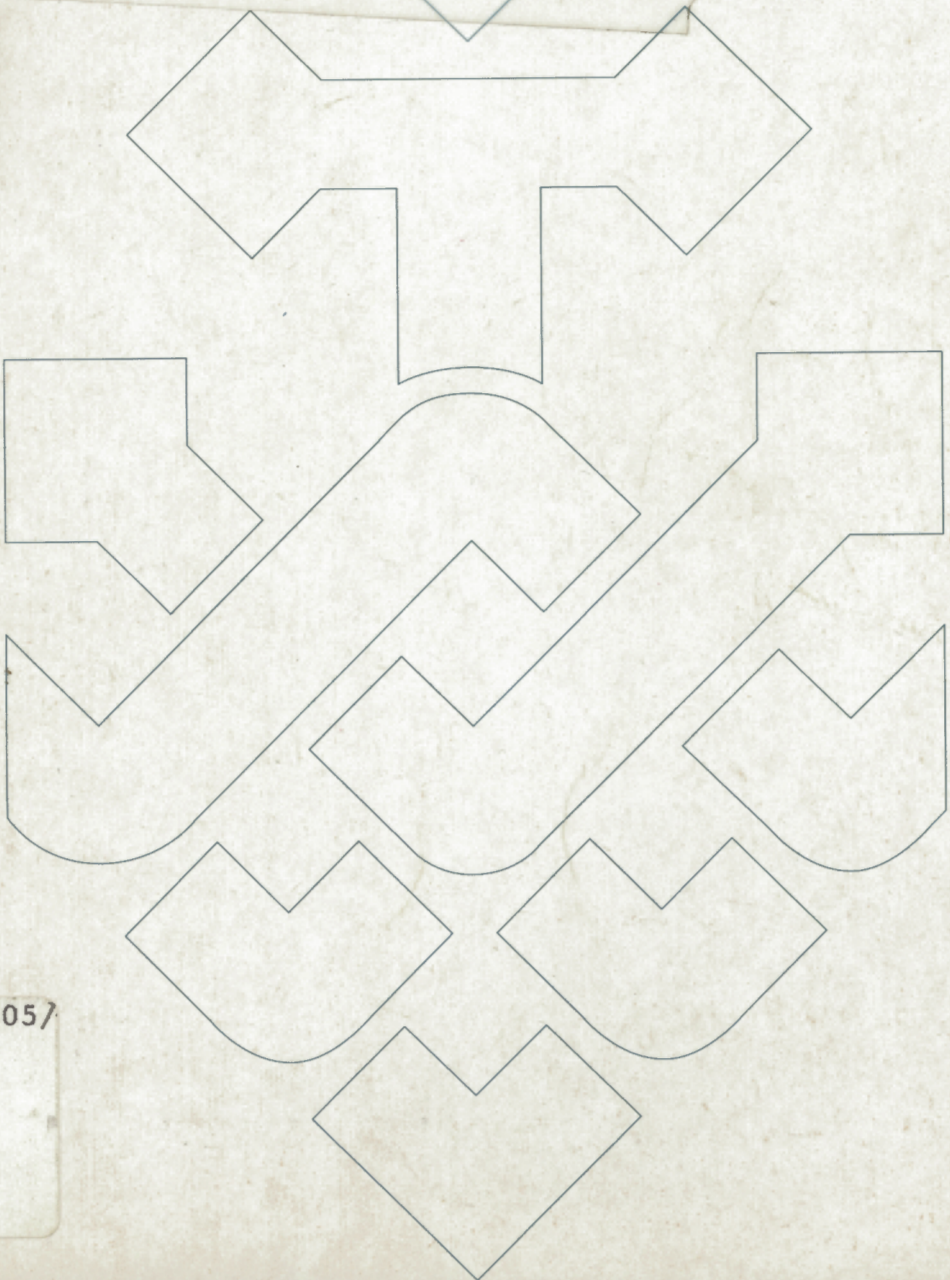
UNIVERSITY OF TECHNOLOGY, SYDNEY

Faculty of Design, Architecture and Building  
**HANDBOOK**

**ENQUIRIES DESK**



2006



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# Faculty of Design, Architecture and Building HANDBOOK

# 2000

## IMPORTANT YEAR 2000 NOTICE

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The University of Technology, Sydney is taking all reasonable steps to identify and remedy any Year 2000 problems which might interfere with the courses and subjects it is proposing to offer during the Year 2000. Students and prospective students are advised that the University may still find it necessary in responding to any Year 2000 problem, to change the details of any course, subject, or class described in this or any other University publication. This could include not offering subjects in a particular teaching period, altering the mode of delivery for teaching, and changing assessment requirements. The University will endeavour:

- to confine such changes to the minimum necessary to address the Year 2000 problem
- to provide advance notice to students to the full extent possible, and
- where possible, to make other reasonable arrangements to minimise any disadvantage to students.

Students and prospective students should make appropriate inquiries to determine whether a course or subject has been affected by a Year 2000 problem by contacting the relevant Faculty Office.

## DISCLAIMER

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This publication contains information which was current at 20 August 1999. Changes in circumstances after this date may impact upon the accuracy or currency of the information. The University takes all due care to ensure that the information contained here is accurate, but reserves the right to vary any information described in this publication without notice. Readers are responsible for verifying information which pertains to them by contacting the Faculty or the UTS Information Service.

University of Technology,  
Sydney. Faculty of Design,  
Architecture and Building  
Handbook  
Received on: 03-11-99  
CITY CAMPUS  
University of Technology,

## **EQUAL OPPORTUNITY**

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It is the policy of the University of Technology, Sydney to provide equal opportunity for all persons regardless of sex, race, marital status, family responsibilities, disability, sexual preference, age, political conviction or religious belief.

## **FREE SPEECH**

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The University supports the right to freedom of speech and the rights of its members to contribute to the diversity of views presented in our society.

## **NON-DISCRIMINATORY LANGUAGE**

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UTS has adopted the use of non-discriminatory language as a key strategy in providing equal opportunity for all staff and students. Guidelines for the use of non-discriminatory language have been developed and all members of the University community are encouraged to use them.

## **ACCESS UTS ON THE WEB**

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<http://www.uts.edu.au>

*Faculty Handbooks and Calendar*

<http://www.uts.edu.au/div/publications/>

*UTS Rules and Policies*

<http://www.uts.edu.au/div/publications/policies/>

## **EDITORIAL AND PRODUCTION**

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Publications Branch,  
Secretariat and Corporate Affairs Unit,  
Registrar's Division

## **COVER**

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Design by

UTS External Relations Unit

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# GENERAL INFORMATION

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## WELCOME

Welcome to the University of Technology, Sydney (UTS), one of the largest universities in New South Wales – a university with an international reputation for quality programs and flexible learning. UTS develops, and regularly revises its programs of study in partnership with industry, government and professional bodies, so that its degrees are based on the latest professional standards and current practices. As a result, UTS produces graduates who are ready for work, and this is demonstrated in the high numbers of its students who enter the workforce within four months of finishing their degree.

UTS offers its students a lively, supportive and diverse learning environment across three campuses, and a range of social, cultural and sporting facilities to enrich each student's experience. UTS regards learning as a lifelong experience, and offers a range of programs to cater for the educational needs of people at a variety of stages in their lives, and from diverse backgrounds and cultures.

UTS offers a range of undergraduate and postgraduate degrees, which are developed by the Faculties of Business; Design, Architecture and Building; Education; Engineering; Humanities and Social Sciences; Law; Mathematical and Computing Sciences; Nursing, Midwifery and Health; and Science. Each of these faculties is responsible for a range of programs across a number of key disciplines, and many offer courses in conjunction with one another, or with the Institute for International Studies. Courses developed and delivered by these UTS faculties reflect the University's commitment to providing a relevant education to students through flexible and work-based modes of learning and through the ongoing internationalisation of the curriculum.

## ABOUT THE UTS HANDBOOKS

Every year UTS produces 10 faculty/institute handbooks which provide the latest information on approved courses and subjects to be offered in the following year. These handbooks include comprehensive details about course content and structure, subject and elective choices, attendance patterns, credit point requirements, and important faculty and student information. Many of them also contain faculty policies and guidelines for participation in specific courses. This provides students with the necessary information to meet the requirements of the course, complete a program of study, and receive a degree.

UTS also produces a companion volume to these handbooks every year. The *UTS Calendar* contains the University Act, By-law and Rules, a list of courses offered across the University, and other useful University information. Copies of the faculty/institute handbooks and the *UTS Calendar* are held in the University's libraries and faculty offices and can be purchased at the Co-op Bookshop.

The information contained in the UTS Handbooks and Calendar is correct at the time of printing. However, UTS is continuously updating and reviewing courses and services to ensure that they meet the needs of students and industry, and as a result information contained in these publications may be subject to change.

For the latest information check with the information service, or on the website at:

<http://www.uts.edu.au/div/publications/>

## STUDENT INQUIRIES

### *City campus*

#### **UTS Information Service**

Foyer, Tower Building  
1 Broadway

#### **Postal address**

PO Box 123  
Broadway NSW 2007  
telephone: (02) 9514 1222  
fax: (02) 9514 1200

#### **Email inquiries**

within Australia – [info.office@uts.edu.au](mailto:info.office@uts.edu.au)

### *Kuring-gai campus*

#### **Kuring-gai Student Centre**

Level 6, Main Building  
Eton Road  
Lindfield

#### **Postal Address**

PO Box 222  
Lindfield NSW 2070  
telephone: (02) 9514 1222  
fax: (02) 9514 5032

### *International Programs*

10 Quay Street, Sydney

#### **Postal Address**

PO Box 123  
Broadway NSW 2007  
telephone: (02) 9514 1531  
fax: (02) 9514 1530

#### **Email inquiries**

International – [inilprograms@uts.edu.au](mailto:inilprograms@uts.edu.au)

#### **World wide web address**

<http://www.uts.edu.au>

## APPLICATIONS

### **Undergraduate**

The NSW and ACT Universities Admissions Centre (UAC) processes most applications for undergraduate courses which start at the beginning of the year. Students are required to lodge these UAC application forms between August and October. To find out more about these courses and the application procedures, check the *UAC Guide*, or the UAC website at [www.uac.edu.au](http://www.uac.edu.au)

Students can also apply for entry to some UTS courses by lodging a UTS application form directly with the University. These are usually courses that are not available to recent school leavers.

### **Postgraduate**

Applications for postgraduate courses should be made directly to UTS. For courses starting at the beginning of the year, most applications are open from August to October, but some may have earlier closing dates. For courses starting in the middle of the year, applications close in May.

For more information about applying to study at UTS, contact the UTS Information Service.

### **International students**

International students' applications for both postgraduate and undergraduate courses can be made either directly to the International Programs Office or through one of the University's registered agents. For courses starting at the beginning of the year, applications should be received by 31 December of the previous year. For courses starting in the middle of the year, applications should be received by 31 May of that year. For more information contact the International Programs Office.

### **Non-award and external award study**

Students who want to study a single subject at UTS which is not part of a UTS degree or qualification, must apply for non-award or external award study. There are four application periods, and closing dates vary for each semester. Some faculties may have special application procedures which will depend on the subjects chosen. For more information contact the appropriate faculty office or the UTS Information Service.

## FEES AND COSTS

### **Service Fees**

Service Fees are charged to students to contribute to the cost of a range of facilities and services which are generally available to all students during the course of their study.

### **Variations and exemptions**

Fees and charges may vary from year to year. In certain circumstances, students may not be required to pay all or part of one or more of the different components of the Service Fees.

For full details of variations and exemptions to the fees listed below, contact the UTS Information Service.

## Fee Components

<b>Union Entrance Fee</b>	
a once-only charge for new students	\$20
<b>Union Fee</b>	
a semester-based charge for currently enrolled students	\$100 per semester
<b>Students' Association Fee</b>	
a yearly charge for currently enrolled students	\$48 per year
<b>Student Accommodation Levy</b>	
a yearly charge for currently enrolled students	\$56 per year
<b>Student Identification Card Charge</b>	
a yearly charge for students enrolled on a tuition fee basis	\$15 per year

## Course Fees

Some courses (not local undergraduate courses) at UTS attract a course fee. This is charged to students for the course itself, in addition to the Service Fees outlined above. The level of such fees is calculated by individual faculties on a course by course basis. Payment of course fees may vary depending on a student's status, and on conditions laid down by the faculty. Please contact your faculty office for full details.

Details of course fees are outlined under each course entry in this Handbook, but are subject to change. Always check with the faculty for the latest information.

### Course Fees for International Students

Annual Course Fees for undergraduate international students range from A\$11,500 to A\$16,500, and for postgraduate international students from A\$12,000 to A\$16,500. For more information contact the International Programs Office.

## Other costs

Students may incur other costs while they study at UTS. These may include books, photocopying, equipment hire, the purchase of computer software and hardware, and email and internet services.

The University's recommended internet service provider currently charges \$20 per month for 30 hours access or \$30 per month for \$70 hours access. These prices are subject to change.

## HECS

### (Higher Education Contribution Scheme)

HECS is a financial contribution paid to the Commonwealth Government by tertiary students towards the cost of their education. It is payable each teaching period and the amount paid will vary according to the number of credit points undertaken and the method of payment nominated by the student.

Most students have three choices in the way they pay HECS:

1. Paying all of the HECS up front and receiving a 25% discount
2. Deferring all payment until a student's income reaches a certain level, or
3. Paying at least \$500 of the HECS contribution up front and deferring the remainder.

**Note:** these options may not apply to New Zealand citizens and Permanent Residents.

Commonwealth legislation sets strict conditions for HECS over which the University has no control. HECS charges are based on the subjects in which students are enrolled on the HECS census date. It is important for students to realise that any reductions in their academic workload after the census date for a particular semester will not reduce their HECS liability.

Students who defer their HECS payments become liable to commence repayment once their taxable income reaches the repayment threshold. This does not necessarily mean at the conclusion of their studies – a student's income may reach this threshold before then.

New students, students returning from leave and students who are commencing a new or second course, must complete a Payment Options Declaration Form. This form must be lodged with the University by the census date and should show a valid Tax File Number.

For Autumn Semester the HECS census date is 31 March, and for Spring Semester the HECS census date is 31 August. HECS census dates for other teaching periods can be obtained from the UTS Information Service.

**There are a number of variations to these guidelines. It is the responsibility of each student to find out which HECS conditions apply to them.** Information can be obtained from the booklet *HECS Your Questions Answered*, which is available from the HECS office on 1800 020 108 or the UTS Information Service.



## FINANCIAL HELP

### **Austudy/Youth Allowance**

Students under 25 years old, may be eligible to receive financial assistance in the form of the Youth Allowance.

Full-time students over 25 years old may be eligible to receive Austudy which provides financial help to students who meet its income and assets requirements. Application forms and information about eligibility for Austudy are available from Student Services at Kuring-gai or City campuses.

Commonwealth legislation sets strict requirements over which the University has no control. It is important for the students concerned to understand these requirements.

Students who receive Austudy and decide to drop subjects during the semester, need to be aware that to remain eligible for Austudy they must be enrolled in a minimum of 18 credit points, or have a HECS liability for the semester of .375. The only exceptions made are for students with disabilities which interfere with their studies, students who are single supporting parents or, in some exceptional cases, those who have been directed by the University to reduce their study load.

For more information, talk to a student welfare officer in the Student Services Unit.

telephone: (02) 9514 1177 (City)  
or (02) 9514 5342 (Kuring-gai)

Application forms for both schemes should be lodged as soon as possible with any Centrelink office, or:

Centrelink Student Services  
Parker Street, Haymarket  
Locked Bag K710  
Haymarket NSW 2000

### **Abstudy**

Abstudy assists Aboriginal and Torres Strait Islander tertiary students by providing income support and other assistance. For more information about Abstudy, contact the staff at Jumbunna Centre for Australian Indigenous Studies, Education and Research.

Level 17, Tower Building  
telephone (02) 9514 1905

## UTS LIBRARY

The University Library collections are housed in three campus libraries which contain over 650,000 books, journals and audiovisual materials as well as a large range of electronic citation and full-text databases. Services for students include assistance in finding information through Inquiry and Research Help Desks and training programs, loans, reservations, reciprocal borrowing and copying. The Library provides as much information as possible electronically so that users can also access it remotely. More information about the Library can be found at: <http://www.lib.uts.edu.au>

### **City Campus Library**

Corner Quay Street and Ultimo Road,  
Haymarket  
telephone (02) 9514 3388

### **Kuring-gai Campus Library**

Eton Road, Lindfield  
telephone (02) 9514 5234

### **Gore Hill Library**

Corner Pacific Highway and Westbourne  
Street, Gore Hill  
telephone (02) 9514 4088

## RESEARCH OFFICE

The Research Office is responsible for ensuring that the University develops its research potential. It provides a broad range of services aimed at meeting the research goals of the University and its staff.

The main objectives of the Research Office include ensuring that a deep understanding of the research priorities, interests and capacity of the University, its research teams, centres and individual academics is maintained. It is involved in formulating policy and monitoring national trends in research policy and funding to position the University so that it can react to opportunities and challenges in key fields of research.

Research Office  
Level 7, Tower Building  
telephone (02) 9514 1252/1264/1419  
<http://www.uts.edu.au/research/ro/resoff.html>

## UNIVERSITY GRADUATE SCHOOL

The University Graduate School is a pan-university organisation which enhances the quality of graduate courses and supports research degree students, providing leadership in framing policy for postgraduate development in partnership with the faculties. It provides a contact point for postgraduate students and supports them in their studies.

The University Graduate School is located in Building B2, Blackfriars, City campus.

telephone (02) 9514 1336

<http://www.gradschool.uts.edu.au>

## SUPPORT FOR STUDENT LEARNING

The following services and facilities are available to all UTS students.

### Student Services

#### Transition to university programs

UTS offers a free 'Study Success' program of integrated lectures and activities before semester begins, to help new students manage the transition to university study. Students are informed of academic expectations, the skills needed to be an independent learner, and learning strategies which can help them successfully manage the work load. They are also provided with valuable information about how the university and its faculties operate, and the services provided.

For more information contact Student Services Unit.

telephone (02) 9514 1177 (City)  
or (02) 9514 5342 (Kuring-gai)

#### Careers Service

The Careers Service offers career guidance, and assists with job placement for students seeking permanent or casual employment.

telephone (02) 9514 1471 (City campus)

#### Counselling

Counsellors are available at the City and Kuring-gai campuses for individual consultation, and group programs are also held throughout the year.

telephone (02) 9514 1471 (City campus)  
or (02) 9514 5342 (Kuring-gai campus)

### Health

The Health Service offers a bulk billing practice to students at two locations:

telephone (02) 9514 1166 (City campus)  
or (02) 9514 5342 (Kuring-gai campus)

### Housing

University Housing provides assistance to students in locating private accommodation. A limited amount of UTS-owned housing is also available.

telephone (02) 9514 1509 (listings)  
or (02) 9514 1199 (UTS accommodation)

### Special Needs Coordinator

Support is also available for students with special needs. Students with a physical, sensory or learning disability can contact the Special Needs Coordinator for information and advice.

telephone (02) 9514 1177

### Welfare

Welfare officers assist students with personal financial matters, including loan and financial counselling, Youth Allowance, Austudy and other Social Security claims and appeals advice.

telephone (02) 9514 1177

### Chemistry Learning Resources Centre

Room 211, Building 4, City campus.

Rosemary Ward

telephone (02) 9514 1729

email [rosemary.ward@uts.edu.au](mailto:rosemary.ward@uts.edu.au)

<http://www.science.uts.edu.au/depts/chem/clrc/index.html>

### English Language Study Skills Assistance (ELSSA) Centre

ELSSA Centre provides free English language and study skills courses for all UTS students.

ELSSA Centre

Alex Barthel (Director)

Level 19, Tower Building

telephone (02) 9514 2325

email [alex.barthel@uts.edu.au](mailto:alex.barthel@uts.edu.au)

or

Room 2-522

Kuring-gai campus

telephone (02) 9514 5160

<http://www.uts.edu.au/div/elssa/>

## Physics Learning Centre

Level 11, Tower Building (with an adjoining computer laboratory).

Peter Logan  
telephone (02) 9514 2194  
email peter@phys.uts.edu.au

## Mathematics Study Centre

Level 16, Tower Building; and at Kuring-gai campus, Room 2-522.

City campus  
Leigh Wood (Director)  
telephone (02) 9514 2268  
email leigh@maths.uts.edu.au

Kuring-gai campus  
Dr Jules Harnett  
telephone (02) 9514 5186  
email jules@maths.uts.edu.au

## Computer laboratories

Computer laboratories are located throughout the University and are available for all students and staff to use. Details of locations and availability of the computer laboratories may be obtained from the Information Technology Division Resource Centre.

telephone (02) 9514 2118

### *Computer training*

In general, where computer training is necessary as part of a course that attracts HECS, it is provided.

## Jumbunna Centre for Australian Indigenous Studies, Education and Research (CAISER)

Jumbunna CAISER is run by a predominantly Australian indigenous staff who provide specialist advice and a range of services to assist Aboriginal and Torres Strait Islander students.

Jumbunna CAISER  
Level 17, Tower Building  
telephone (02) 9514 1902

## EQUITY AND DIVERSITY

It is the policy of the University of Technology, Sydney to provide equal opportunity for all persons regardless of sex, race, marital status, family responsibilities, disability, sexual preference, age, political conviction or religious belief. UTS has a strong commitment to ensure that the diverse nature of the Australian society is reflected in all aspects of its employment and education.

The Equity and Diversity Unit provides a range of services for students and prospective students. These include community outreach programs to support the participation of disadvantaged students/under-represented groups; coordination of the inpUTS Educational Access Scheme for students who have experienced long-term educational disadvantage; coordination of financial scholarships and awards for commencing low-income students; and the provision of confidential advice and assistance with the resolution of equity-related student grievances, including complaints about racism, sexism, sex-based harassment, homophobia, pregnancy/family responsibilities, or other equity issues.

Equity and Diversity Unit  
Level 17, Tower Building  
telephone (02) 9514 1084

## OTHER SERVICES

### UTS Union

The UTS Union is the community centre for the University. It provides food and drink services, lounges and recreational areas, comprehensive social and cultural programs, sports facilities and programs, stationery shops, a newsagency and resource centres. Off campus the Union provides access to a ski lodge, rowing club, sailing club, athletics club and basketball stadium.

Union Office (02) 9514 1444  
Haymarket (02) 9514 3369  
Kuring-gai (02) 9514 5011

### Union Sports Centre

The centre contains multi-purpose spaces, squash courts, weights rooms, circuit training room and climbing wall.

Lower ground floor, Building 4  
telephone (02) 9514 2444

### UTS Rowing Club

Dobroyd Parade, Haberfield  
telephone (02) 9797 9523

### Child care

UTS Child Care Inc. (UTSCC) coordinates all child care services at UTS. Child care is available from 8.00 a.m. to 10.00 a.m. at both City and Kuring-gai campuses.

Students and staff of UTS receive priority access and a small rebate on fees. Normal Government assistance is available to low and middle income families.

telephone (02) 9514 1456 (City)  
or (02) 9514 2960 (Blackfriars)  
or (02) 9514 5105 (Kuring-gai)

### Co-op Bookshop

The Co-op Bookshop stocks the books on student's reading lists, and a variety of general titles and computer software. It has branches at the City and Kuring-gai campuses (Room 2.401), and, at the start of semester, at Haymarket and Gore Hill.

City campus  
telephone (02) 9212 3078  
email [uts@mail.coop-bookshop.com.au](mailto:uts@mail.coop-bookshop.com.au)

Kuring-gai campus  
telephone (02) 9514 5318  
email [kuringgai@mail.coop-bookshop.com.au](mailto:kuringgai@mail.coop-bookshop.com.au)  
<http://www.coop-bookshop.com.au>

### Students' Association

The Students' Association (SA) is the elected representative body of students at UTS: it is an organisation run by students for students. UTS students have the right to stand for election of the SA and to vote in the annual elections.

City campus office:  
Level 3 of the Tower Building  
telephone (02) 9514 1155

Kuring-gai campus office:  
(next to the cashier service)  
telephone (02) 9514 5237

### Freedom of Information

Under the *Freedom of Information Act 1989* (NSW), students have the right to apply for access to information held by the University.

George Bibicos  
FOI Coordinator  
Level 4A, Tower Building  
telephone (02) 9514 1280  
email [George.Bibicos@uts.edu.au](mailto:George.Bibicos@uts.edu.au)

### Student Ombud

Enrolled or registered students with a complaint against decisions of University staff may seek assistance from the Student Ombud.

All matters are treated in the strictest confidence and in accord with proper processes.

Room 402, Building 2  
City campus, Broadway  
telephone (02) 9514 2575  
email [ombuds@uts.edu.au](mailto:ombuds@uts.edu.au)

### Radio Station 2SER (107.3 FM)

2SER-FM is a community radio station run by hundreds of volunteers who are involved in producing and presenting a smorgasbord of programs focusing on education, information, public affairs and specialist music. Students interested in community media, are welcome to visit the 2SER studios or to attend a volunteer recruitment meeting. Contact the station for more details.

Level 26, Tower Building  
telephone (02) 9514 9514

### UTS Gallery and Art Collection

The UTS Gallery is a dedicated public gallery located on Level 4, Building 6, City campus, 702 Harris Street, Ultimo. The UTS Gallery presents regularly changing exhibitions of art and design from local, interstate and international sources.

The UTS Art Collection comprises a diverse range of paintings, prints, photographs and sculptures which are displayed throughout the University and, at times, in the UTS Gallery.

telephone (02) 9514 1284  
fax (02) 9514 1228  
<http://www.utsgallery.uts.edu.au>

## PRINCIPAL DATES FOR 2000

### January

- 6 UTS Advisory Day
- 7 Closing date for changes of preference to the Universities Admissions Centre (UAC), by mail or in person
- 8 Closing date (midnight) for changes of preference UAC Infoline
- 10 Formal supplementary examinations for 1999 Spring semester students
- 14 Final examination timetable for Summer session
- 14 Last day to submit appeal against exclusion from Spring 1999
- 21 Main Round of offers to UAC applicants
- 21 Last day to submit 'Show Cause' appeal for Spring 1999
- 24-29 Enrolment of new main round UAC Undergraduate students at City campus
- 25 Closing date for changes of preference to Universities Admissions Centre (UAC) for final round offers
- 26 Australia Day – public holiday
- 27 Public school holidays end
- 28 Last day to submit application for Postgraduate Equity Scholarships for Autumn semester 2000
- 28 Summer session ends (commenced 29 November 1999) for subjects with formal exams
- 31 Summer session examinations commence (to 11 February)

### February

- 3-16 Enrolment of new Undergraduate students at City campus (and 24-29 January)
- 1-11 Formal examinations for Summer session
- 4 Final round of offers (UAC)
- 4 Last day to lodge a Stage 2 appeal against assessment for Spring semester 1999

- 7 Closing date third round, Postgraduate courses for Autumn 2000 (except Faculty of Business – closing date 11 February)
- 14 Welcome and Registration for International Students – International Student Orientation programs commences and runs until 25 February
- 17 Official welcome and Study Success (Learning Skills) Program for all students studying on the Kuring-gai campus
- 17-18 Enrolment for International students
- 21-25 Orientation week for new students
- 21 Release of results for Summer session
- 21 Official Vice-Chancellor's welcome for all UTS students and commencement of Orientation 2000 (includes campus tours, student workshops, and the Study Success Program).
- 23 Union 'O' Day – Clubs and activities day
- 24 Late enrolment day
- 24/25 Faculty welcomes will be held on 24 or 25 February unless otherwise advised
- 28 Autumn semester classes commence

### March

- 10 Last day to enrol in a course or add subjects
- 17 Last day to pay upfront HECS or Postgraduate Course fees for Autumn semester 2000
- 31 Last day to apply to graduate in Spring semester 2000
- 31 Last day to apply for leave of absence without incurring student fees/charges<sup>1</sup>
- 31 Last day to withdraw from a subject without financial penalty<sup>1</sup>
- 31 HECS census date

**April**

- 7 Last day to withdraw from a course or subject without academic penalty<sup>1</sup>
- 17 Public School holidays commence
- 20 Provisional examination timetable available
- 21 Good Friday – public holiday
- 24-28 Vice-Chancellors' Week (non-teaching)
- 24 Easter Monday – public holiday
- 25 Anzac Day – public holiday
- 27-28 Graduation ceremonies (Kuring-gai)
- 28 Public School holidays end

**May**

- 1 Applications open for undergraduate courses, where applicable, and postgraduate courses for Spring semester 2000
- 15-26 Graduation ceremonies (City)
- 31 Closing date for undergraduate and first round postgraduate applications for Spring semester

**June**

- 2 Final examination timetable available
- 9 Last teaching day of Autumn semester
- 10-26 Formal examinations
- 12 Queen's Birthday – public holiday
- 29 Last day to submit application for Postgraduate Equity Scholarships for Spring semester 2000
- 30 Closing date second round Postgraduate applications for Spring semester

**July**

- 3 Public School holidays commence
- 3-7 Vice-Chancellors' Week (non-teaching)
- 3-7 Formal alternative examination period for Autumn semester students
- 4-13 Enrolments for Spring semester
- 10-14 International Students' Orientation Program
- 13 Study Success Learning Skills Program

- 13 Release of Autumn semester examination results
- 14 Public School holidays end
- 14 Formal supplementary examinations for Autumn semester students
- 17 Spring semester classes commence
- 21 Last day to withdraw from full year subjects without academic penalty
- 28 Last day to enrol in a course or add subjects
- 28 Last day to submit 'Show Cause' appeal for Autumn semester 2000

**August**

- 1 Applications available for undergraduate and postgraduate courses for Autumn semester 2001
- 18 Last day to pay upfront HECS or Postgraduate Course Fees for Spring semester 2000
- 31 Last day to withdraw from a course, a subject, or apply for leave of absence without academic or financial penalty<sup>1</sup>
- 31 Last day to apply to graduate in Autumn semester 2001
- 31 HECS census date (to be confirmed)

**September**

- 1 Applications for Postgraduate Scholarships available
- 8 Provisional examination timetable available
- 8 Last day of teaching before AVCC week/Olympics break
- 11 AVCC week/Olympics break (to 6 October)
- 11 Public School Holidays commence (to 2 October)
- 29 Closing date for undergraduate applications via UAC (without late fee)
- 29 Closing date for inPUTS Equity Access Scheme via UAC

## 14 General information

### October

- 2 Labour Day – public holiday
- 2 Public school holidays end
- 8 Provisional examination timetable available
- 9 Spring semester classes recommence
- 30 Graduation ceremonies (City) (to 3 November)
- 31 Closing date for undergraduate applications via UAC (with late fee)
- 31 Closing date for undergraduate applications direct to UTS (without late fee)
- 31 Closing date for most postgraduate courses for Autumn 2000 (some courses may have earlier closing dates in September)
- 31 Closing date for Australian Postgraduate Awards, the R. L. Werner and University Doctoral scholarships
- 31 Last day to submit application for Postgraduate Equity Scholarships for Summer semester 2001

### November

- 1-3 Graduation ceremonies (City)
- 3 Final examination timetable available
- 17 Last teaching day of Spring semester
- 18-30 Formal examination period (and 1-4 December)
- 30 Closing date for Undergraduate applications via UAC (with late fee)

### December

- 1-4 Formal examination period (and 13-30 November)
- 4 Summer session commences (ends 2 February 2001)
- 11-15 Formal alternative examination period for Spring semester students
- 20 Release of Spring semester examination results
- 20 Public School holidays commence
- 25 Christmas Day – public holiday
- 26 Boxing Day – public holiday

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<sup>1</sup> HECS/Postgraduate course fees will apply after the HECS census date (31 March and August or last working day before).

**Note:** Information is correct as at 24 August 1999. The University reserves the right to vary any information described in Principal Dates for 2000 without notice.

# FACULTY INFORMATION

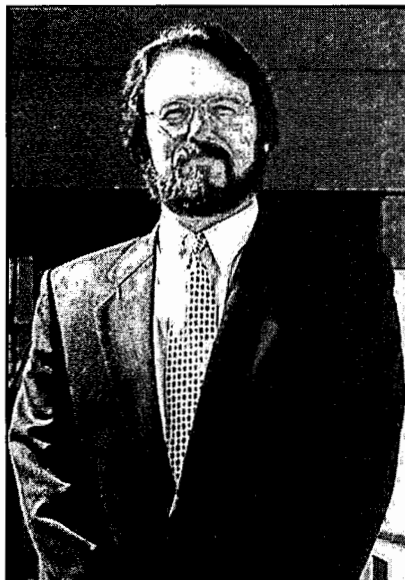
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## MESSAGE FROM THE DEAN

I would like to welcome all new and continuing students, both local and international, to the academically diverse Faculty of Design, Architecture and Building. I trust you will find your study here this year both personally challenging and intellectually profitable.

The Faculty of Design, Architecture and Building is centrally located on Harris Street in Ultimo in a large modern, purpose-built building. Our facilities are of the highest level nationally, providing some of Sydney's best spaces for exhibitions, performances and conferences and include advanced laboratories and workshops for computing, photography, printing and manufacturing technology as well as an exhibition gallery, and even a coffee shop and bistro.

Our Faculty caters to a broad spectrum of people from around the world offering them eight undergraduate degree programs, as well as a large range of postgraduate coursework and research programs. We are committed to innovative interdisciplinary and cooperative practice-based learning as well as maintaining our longstanding traditional belief in professional/vocational education. Furthermore, students are encouraged to explore the full range of elective and interdisciplinary subjects offered by not only the Faculty but the University at large. Increasingly we are recognising the value of research for both staff and students and are proud of our expanding research culture. For students approaching graduation, we invite them to stay at the cutting edge of their profession by committing



*Professor Peter G Burgess*  
**Dean**

to a life-long learning program of continuing professional education created and maintained via the Faculty's strong links with industry and the relevant professional associations.

To complement your studies, I encourage all of you to take full advantage of the large range of cultural and sporting events available through UTS clubs and associations. There is much on offer within the University and the larger Sydney community that can shape and influence your perceptions and your subsequent endeavours. Finally, I wish all of you a rewarding and enjoyable academic year.



## FACULTY MISSION STATEMENT

The Faculty's mission is to provide an environment which encourages a high sense of purpose, superior performance and a vision for national leadership in the areas of design, construction and property education. The Faculty aims to provide opportunities for education, training and research in accordance with international standards of best practice and management.

The Faculty aims to fulfil its purpose in the following manner:

1. To provide undergraduate and post-graduate courses that both reflect and advance relevant professional disciplines.
2. By way of cooperative education, to enhance the integration of educational programs with professional, industrial, commercial and societal activities.
3. To focus and promote a contextual awareness in government and society in those areas of Faculty interest.
4. To encourage staff and student research that will advance the Faculty's purpose.
5. To encourage Faculty and staff consulting at an appropriate level that will provide a sharing of Faculty expertise and that will strengthen and develop teaching programs.
6. To pursue strategies that will reinforce intra-faculty cooperation in research and teaching and that will promote cooperative ventures externally.
7. To promote policies that will enhance the quality of teaching, technical and administrative activity and that will provide for staff development.
8. To maintain and promote programs in relevant areas of continuing professional education.

## APPLICATIONS

### Undergraduate Applications

Applicants will only be accepted on the official form available from the University Admissions Centre (UAC), which must be lodged with the UAC by the specified closing date. The UAC publishes a guide every year which details all application requirements, and these should be followed carefully.

The University requires all applicants for Design to submit to UTS, by 30 September, a questionnaire which is available from the UTS Information Service or the Faculty Office.

An Information Evening, covering all relevant information on the Faculty's courses and application for admission, is held prior to the closing date for applications. UTS normally holds an HSC Advisory Day in early January.

### Postgraduate Coursework Applications

Applicants should complete the *Graduate Coursework* application form available from the UTS Information Service or the Faculty Office. Applications normally close at the end of October, however later applications will be considered. Some postgraduate awards may have a mid-year intake. Contact the Faculty Office in May for details.

### Research Degree Applications

In the first instance, intending applicants should contact the Associate Dean (Research, Graduate and Industry Programs) on (02) 9514 8791 to discuss their proposed research topic and identification of potential supervisors. Applicants are encouraged to meet with potential supervisors prior to lodging an application. Applicants should complete the *Master's Degrees by Thesis* or the *Doctoral Degrees* application forms, as appropriate. Applications can be lodged at any time during the year.

# INFORMATION FOR DESIGN, ARCHITECTURE AND BUILDING STUDENTS

## Location and Contacts

### Student Administration Unit

The Student Administration Unit manages the student administration activities of the Faculty and is responsible for a broad range of activities including: admission; enrolment; graduation; timetabling; course information and promotion; and student progression matters. The Unit is committed to providing a high standard of service to students and Faculty staff.

Room 557, Level 5, Building 6

702–730 Harris Street, Ultimo

telephone (02) 9514 8913

fax (02) 9514 8804

hours 9.00 a.m. – 5.00 p.m. Monday – Friday

(These hours are extended during the first weeks of each semester.)

Postal address

PO Box 123, Broadway NSW 2007

email [dab.info@uts.edu.au](mailto:dab.info@uts.edu.au)

web <http://www.dab.uts.edu.au>

### University Rules

The University's Rules are published in the *UTS Calendar* and online at:

[www.uts.edu.au/div/publications/policies/rules/contents.html](http://www.uts.edu.au/div/publications/policies/rules/contents.html)

Students who require assistance with the interpretation of University Rules should contact the Faculty Office.

The UTS Rules and policies can also be viewed on the Internet at:

<http://www.uts.edu.au/div/publications/policies/index.html>

## International Studies Electives

The Institute for International Studies at UTS offers electives in language studies and in the study of contemporary societies in parts of the non-English-speaking world. All subjects are taught over one semester and have a value of eight credit points.

### Language Studies

All students wishing to take language studies as a credited part of their degree are required to enrol through the Institute for International Studies, whether the language studies are undertaken in UTS or elsewhere. The Institute teaches some language programs at UTS, has made arrangements with other universities for some languages to be taught to UTS students, and can make special arrangements for individual students to attend specific language programs where academic needs demand. The individual student's level of language proficiency before entry to the UTS program decides their level of language study. There is a range of entry levels to the various programs available. Most are available at beginner's and post-HSC levels, and some at more advanced levels.

The Institute offers language programs in Cantonese, Chinese, French, German, Greek, Indonesian, Italian, Japanese, Malaysian, Russian, Spanish and Thai. The Institute can arrange for the teaching of other language programs depending on availability and demand.

### Contemporary Society

The Institute also offers a series of subjects that provide an introduction to the contemporary societies, politics, economics and cultures of the countries of East Asia and South-East Asia, Latin America and Western Europe that are the areas of specialisation of the Institute.

Introductory subjects are offered on the contemporary societies of China, Japan, Latin America, South-East Asia, Hong Kong, Taiwan and Europe. There are no prerequisites for any of the Contemporary Society subjects. All subjects are taught in English and are available, with the permission of their faculties, to all UTS students.

Further information is available from the *2000 Institute for International Studies Handbook* or contact:

Institute for International Studies,  
University of Technology, Sydney  
10 Quay Street, Sydney NSW  
telephone (02) 9514 1574  
fax (02) 9514 1578

### **Insearch Institute of Commerce**

Insearch Institute of Commerce, a private institution wholly owned by the University of Technology, Sydney, offers a Foundation Studies Certificate program in Design and a Diploma program in Design (Visual Media). These programs were designed with input from academics of the Faculty of Design, Architecture and Building for students who are not currently qualified for direct university entry. While the University cannot guarantee admission to its degree programs (except for international students), students who have completed the Foundation Studies Certificate program may apply for admission to the first year of the Bachelor of Design (Industrial Design), Bachelor of Design (Interior Design) or Bachelor of Design (Fashion and Textile Design). Students who have completed the Diploma program may be granted up to one year's advanced standing in the Bachelor of Design (Visual Communication) degree, subject to conditions.

For further information contact the Registrar, Insearch Institute of Commerce, 10 Quay Street, Haymarket

telephone (02) 9281 8188

fax (02) 9281 9875

email [courses@insearch.edu.au](mailto:courses@insearch.edu.au).

## **PRIZES AND SCHOLARSHIPS**

Prizes and scholarships are awarded each year to students in the Faculty for meritorious work. These are made available through the generosity of private individuals and public organisations. Prizes are awarded in respect of each academic year (unless otherwise stated) and are presented annually at a Faculty ceremony, normally in June or July in the following year. A number of scholarships are also available for postgraduate students in addition to those below and intending applicants should contact the University Graduate School on (02) 9514 1521 for details.

The following list is correct at the time of printing, however, additions, deletions and change to prizes and scholarships may occur. Check with the Faculty Office for specific inquiries.

### **Design**

#### **Haworth Australia Award for Innovation in Interior Design**

Haworth Australia Pty Ltd has established this award to reward academic achievement in innovative interior design. The award is open to any full-time Bachelor of Design (Interior Design) student who has successfully completed the 86880 Major Project in the course. The award has a cash value of \$1,000.

#### **Woods Bagot Scholarship in Interior Design**

This scholarship was established in 1994 to reward academic achievement in Interior Design and to assist students in gaining professional work experience. It is awarded to a student enrolled in the third year of the Bachelor of Design (Interior Design) course who has demonstrated academic excellence. The scholarship is tenable for two years and has a cash value of \$2,000.

### **Architecture**

#### **Alexander and Lloyd Australia Design Prize**

The award was first made available in 1967 by the firm of architects, Alexander and Lloyd Pty Ltd. Since then the donors have continued to support the efforts of the Faculty and to provide incentives to students. It is awarded annually to the student obtaining the highest weighted average mark in Year 2 of the Architecture course. The prize is a cash award of \$100.

### **Board of Architects Prize**

The Board of Architects of NSW awards an annual prize of \$500 to the graduating student in Architecture who, in the opinion of the students in the Year 6 class, has contributed most to the work and progress of the class as a whole.

### **The Board of Architects Year Prizes**

Awarded to the student in each of the first four years who in the opinion of the Faculty shows outstanding achievement in the Architecture course. The prizes are cash awards of \$250.

### **Brewster Murray Pty Ltd Prize**

The firm of architects Brewster Murray Pty Ltd has encouraged the efforts of students undertaking studies in Architecture since 1967 by offering an award annually to the student attaining the highest weighted average mark in Year 4 of the Architecture course. The prize is a cash award of \$500.

### **Byera Hadley Testimonial Prize**

This prize, formerly administered by the Department of Technical and Further Education, is financed from a bequest made by the late Mr Byera Hadley, a former Lecturer-in-Charge of Architecture. The award became an official prize of the then Institute in 1977. At the discretion of the Faculty Board in Design, Architecture and Building, the prize is awarded biennially to the student who achieves the best performance in the subject 11961 Design 6 of the Architecture course. The award comprises a cash prize of \$150 plus a certificate.

### **The Edward Alexander Memorial Prize**

This prize has been established to honour the late Edward Alexander who was a graduate of the East Sydney Architecture School and contributed a great deal to the school's life and scholarship. It is awarded to the student enrolled in Year 1 of the Architecture course who attains the highest mark in the subject 11911 Architecture Design 1. The prize consists of a certificate and a high quality architectural publication with a cash value of \$250.

### **J J Greenland Prize for Excellence in the Field of Energy Conservation in Buildings**

This prize is funded from the proceeds of the sale of *Foundations of Architectural Science*, written by Dr Jack Greenland, a former member of the School of Architecture. The prize is awarded to a student enrolled in the Architecture course who demonstrates

excellence in the field of energy efficient design in the technology component of the subjects Architectural Design and Technology 1 (Year 5) and Architectural Design and Technology 2 (Year 6). It consists of textbooks to a value of \$300.

### **The New South Wales Chapter of the Royal Australian Institute of Architects Prizes**

This body awards a prize and, in addition, administers as Trustee two Memorial Prizes which are awarded to students in Architecture:

#### **1. A W Anderson Memorial Prize**

The late A W Anderson was active in forming the RAI A and was twice President of the New South Wales Chapter. This prize is awarded for the highest weighted average mark in the subjects 11933 Theory Studies 3 and 11943 Theory Studies 4. It comprises a certificate and a cash award of \$100.

#### **2. W A Nelson Memorial Prize**

This prize is awarded for the best dissertation carried out during Years 5 or 6 of the Architecture course. It comprises a certificate and a cash award of \$120.

#### **3. The RAI A NSW Chapter Prize**

This prize is awarded annually to the graduating student in Architecture with the highest weighted average mark over Years 5 and 6. It comprises a certificate and a cash award, the amount of which is determined each year.

### **Tony Van Oene/Concrete Masonry Association of Australia Memorial Prize**

This prize was established in 1992 from a donation received from the Concrete Masonry Association of Australia and the estate of Tony Van Oene, a former student of the School of Architecture. The prize is awarded to a student enrolled in the Architecture course who achieves the highest average mark in the design components of the subjects Architectural Design and Technology 1 (Year 5) and Architectural Design and Technology 2 (Year 6). It consists of textbooks related to architecture and urban design to a cash value of \$360.

### **William Edmund Kemp Memorial Prize**

A fund has been established to perpetuate the memory of Mr William Edmund Kemp and his services as an architect with the Department of Education, in connection with Architecture and Technical Education in New South Wales.

Mr Kemp designed the original buildings and workshops of Sydney Technical College at Ultimo and the Museum of Applied Arts and Sciences. The fund provides a medal and a cash prize of \$300. The prize is awarded annually to the student who gains the highest weighted average mark in Year 3 of the Architecture course.

### **Building Studies**

#### **AMP Land Economists Prize**

This prize was established in 1989. It is awarded to a full-time student enrolled in the degree course in Land Economics who obtains the highest weighted average mark on completion of the subjects in Year 2 of the full-time program. This prize has a cash value of \$500.

#### **Archibald Howie Memorial Prize**

The Late Sir Archibald Howie provided a fund for a prize to encourage and promote interest in studies in the Construction Management course. The prize, in the form of cash, may be awarded by the Trustees to a student who obtains the best results in the full final-year program of the Construction Management degree course, either part time or full time. The prize is valued at \$150 and is awarded biennially.

#### **The Australian Institute of Building, NSW Chapter Medal**

This award was established in 1987. It is presented to the graduating student from the Construction Management degree course who achieves the highest weighted average mark. The prize consists of a cash award of \$100, a certificate and a suitably inscribed medal.

#### **Australian Institute of Construction Estimators Prize**

This prize was established in 1984 by the Australian Institute of Construction Estimators. The prize is awarded to the Construction Economics student who achieves the best weighted average mark in the subjects in the second half of the undergraduate course. The prize has a cash value of \$250.

#### **The Australian Institute of Quantity Surveyors (NSW Chapter) Prize**

The New South Wales Chapter of the Australian Institute of Quantity Surveyors offers a prize each year for the student who obtains the highest weighted average mark (WAM) for the Construction Economics course upon graduation. The award comprises a sum

of \$250 plus one year's associate membership of the AIQs, including the entrance fee, where the recipient is eligible.

#### **The Australian Institute of Quantity Surveyors (NSW Chapter) Environmental Contribution Award**

The AIQs (NSW Chapter) has established a new, annual prize to be presented to a student enrolled in the Master of Building in Construction Economics course, who achieves the highest mark in the subject 17560 Research Project. The award comprises a cash prize of \$500 and a Certificate of Achievement.

#### **Australian Property Industry Gold Medal**

This prize was established in 1991 by the Australian Institute of Valuers and Land Economists. It is awarded to a student enrolled in the Land Economics degree course who completes the degree with the best aggregate mark in Valuation subjects. The prize takes the form of a certificate, a gold medal and a cash award of \$100.

#### **Australian Property Industry Year Prizes**

These prizes were established in 1991 by the Australian Institute of Valuers and Land Economists. The prizes are awarded to six students enrolled in the Land Economics degree course who have performed best in the six years of the course as described by the part-time program. The six prizes each have a cash value of \$200.

#### **Francis E Feledy Memorial Prize**

This award was established by the staff of the British Motor Corporation as a memorial to the late Francis E Feledy for his work as an architect and engineer with that company. The award was first made available in 1966 through the then Department of Technical Education. In 1974, the then Institute became the Trustee of the fund. At the discretion of the Trustee, the prize is awarded annually to an outstanding part-time student entering his/her final year in each of the Faculties of Engineering; Science; and Design, Architecture and Building. Each prize is valued at \$600.

#### **Grosvenor International Prize in Project Management**

This prize will be awarded to the student in the second year cohort who, in the opinion of the students in second year of the Project Management Program, has contributed most to the progress of the cohort as a whole. The prize has a cash value of \$500 and a Certificate of Achievement.

### **Grosvenor International Prize in Urban Estate Management**

This prize will be awarded to the student in the second year cohort who, in the opinion of the students in second year of the Urban Estate Management Program, has contributed most to the progress of the cohort as a whole. The prize has a cash value of \$500 and a Certificate of Achievement.

### **Hugh B Gage Award**

The late Hugh Gage, Quantity Surveyor of Parramatta, established this award for students in Construction Economics to encourage initiative and to promote further study. The award has been presented annually since 1972 to the best Construction Economics student completing the subjects in Year 2 of the part-time undergraduate course. The prize has a cash value of \$125.

### **Land Economists Prize**

The Australian Institute of Valuers and Land Economists offer this prize, established in 1991, to a student enrolled in a standard-year program (either part-time or full-time) of the Land Economics degree course who achieves the highest weighted average mark for the year out of all students enrolled in the course. The prize takes the form of a certificate and a cash prize of \$200.

### **Property Council of Australia Scholarship**

This scholarship was established in 1991 by the Building Owners and Managers Association. It is awarded to a student in the Land Economics degree course who has demonstrated exceptional achievement during the first half of the course and is recognised as having potential for making contribution to the Australian property industry. The scholarship comprises a certificate and cash award of \$2,000, paid in two instalments.

### **Real Estate Institute of New South Wales Prize**

This prize was established in 1989. It is awarded to the best graduating student from the Land Economics degree course (based on the graduating weighted average mark). The prize has a cash value of \$1,000.

### **The RICS Construction Economics Prize**

Awarded to the student who obtains the highest weighted average mark in the first year of the Construction Economics course. The prize has a cash value of \$250.

### **The RICS Land Economics Prize**

Awarded to the student who obtains the highest weighted average mark in the first year of the Land Economics course. The prize has a cash value of \$250.

### **Rider Hunt High Achievement Award**

Rider Hunt of Sydney offers an annual award for the Construction Economics student who has the best weighted average mark in the undergraduate course, subject to that student having a satisfactory performance in the year for which the award is given. The weighted average mark is calculated in the same manner as that used in the consideration of honours. The award has a cash value of \$500.

### **Tracey Brunstrom and Hammond Group Prize in Construction Management**

This prize will be awarded to a registered student in the undergraduate course in Construction Management who attains the highest mark in the subject 16020 Construction Project 2. The prize has a cash value of \$1500 and a Certificate of Achievement.

### **Tracey Brunstrom and Hammond Group Prize in Project Management**

This prize will be awarded to a registered student in the postgraduate course in Project Management who attains the highest mark in the subject 17601 Graduate Project. The prize has a cash value of \$1500 and a Certificate of Achievement.

## LIST OF COURSES

Course name	Code
<b>Design</b>	
Bachelor of Design in Fashion and Textile Design	DF01
Bachelor of Design in Industrial Design	DD01
Bachelor of Design in Interior Design	DT01
Bachelor of Design in Visual Communication	DV01
Graduate Certificate in Design and Technology	D059
Graduate Diploma in Design	D052
Master of Design (by coursework)	D051
<b>Architecture</b>	
Bachelor of Arts in Architecture	AA03
Bachelor of Architecture (old program)	AA02
Bachelor of Arts (Honours) in Architecture	AA04
Bachelor of Architecture	AA05
Master of Architecture (by coursework)	AA55
<b>Building Studies</b>	
Bachelor of Building in Construction Management	AB03
Bachelor of Building in Construction Economics	AB04
Graduate Diploma in Building in Construction Economics	AB70
Master of Building in Construction Economics	AB59
Master of Business Administration (Facility Management Major) <sup>1</sup>	B068
Bachelor of Land Economics	AB06
Master of Land Economics	AB58
Graduate Certificate in Urban Estate Management	AB64
Graduate Diploma in Urban Estate Management	AB52
Master of Business Administration (Urban Estate Management Major) <sup>1</sup>	B068
Graduate Certificate in Building Performance	AB62
Graduate Certificate in Building Regulations	AB63
Graduate Diploma in Building Surveying and Assessment	AB57
Master of Building Assessment (Fire)	AB71
Graduate Certificate in Project Management	AB66
Graduate Diploma in Project Management	AB65
Master of Project Management	AB53
Master of Business Administration (Project Management Major) <sup>1</sup>	B068
Graduate Certificate in Planning	AB60
Graduate Diploma in Planning	AB55
Master of Planning	AB56
<b>Research</b>	
Master of Design (by thesis)	D058
Master of Architecture (by thesis)	AA51
Master of Applied Science (by thesis)	AB51
Doctor of Architecture (by thesis)	AA54
Doctor of Philosophy	Axxx
<b>Combined degrees</b>	
Bachelor of Design in Fashion and Textile Design/Bachelor of Arts in International Studies	DF02
Bachelor of Design in Interior Design/Bachelor of Arts in International Studies	DT02
Bachelor of Design in Industrial Design/Bachelor of Arts in International Studies	DD02
Bachelor of Design in Visual Communication/Bachelor of Arts in International Studies	DV02
Bachelor of Building in Construction Economics/Bachelor of Arts in International Studies	AB08
Bachelor of Building in Construction Management/Bachelor of Arts in International Studies	AB09
Bachelor of Land Economics/Bachelor of Arts in International Studies	AB10

<sup>1</sup> Courses are offered in conjunction with the Faculty of Business

# UNDERGRADUATE COURSES

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## DESIGN

### Bachelor of Design

A revised structure and curriculum for the Bachelor of Design was introduced in 1999. In 2000, all students will continue with or transfer to the new programs.

All new students will undertake what is substantially a common first semester (Level 100) as well as a specific core subject which introduces them to their major area of design: Visual Communication, Fashion and Textile Design, Interior Design or Industrial Design. The rationale behind this approach is based upon:

- the sharing of a common design process;
- common knowledge and skills;
- a common social context within which designers operate; and
- the desirability for designers in each area to establish personal and professional links with those in adjacent areas.

The course is delivered by way of studios, lectures and workshops.

The second- and third- year curricula consists of professionally focused coursework. The final year is based upon personal research and professionally oriented project work with the final semester being a major project of the student's own choosing.

The course also features a number of elective studies to be taken either within the Faculty or elsewhere. The choice of minor studies is at the student's discretion but is subject to availability and approval.

All students are required to gain practical experience in professional design practice to augment and complement their academic studies. Advice and approval should be sought from the appropriate members of staff.

### Regulations

These regulations are to be read in conjunction with the University's Rules and By-law, as contained in the *UTS Calendar*. They relate to the majors in the Bachelor of Design course: Fashion and Textile Design; Industrial Design; Interior Design; and Visual Communication.

## Awards and Graduation

### Old course

A student is deemed to have completed the educational requirements for the Bachelor of Design course when he or she has achieved at least 192 credit points made up of the following:

152 credit points from required Major Studies subjects including:

- 24 credit points for Design 1 at 100 level;
- 104 credit points at each of 200, 400, 500, 600 and 700 levels;
- 24 credit points from major project at 800 level;
- 24 credit points of electives or Minor Studies subjects including six credit points at each of 300, 400, 500 and 600 levels;
- 12 credit points of design theory subjects.

### New Course

A student is deemed to have completed the educational requirements for the Bachelor of Design course when he or she has achieved at least 192 credit points made up of the following:

- 132 credit points from core program subjects;
- 24 credit points of elective study;
- 36 credit points of cross-discipline design subjects, including level 100 and design theory.

### Progression

A student must pass all prerequisites at one level of study before being eligible to proceed to the next level. This requirement may be varied with the approval of the Director of Program.

### Design Theory

The design theory strand is an important element in the Bachelor of Design programs with the necessary attainment of 12 credit points being the minimum. These subjects may be offered in a variety of modes and students may undertake them at any time during their course although this will depend on availability.



## Elective stream

Students are required to undertake 24 credit points of electives. This may be in the form of a minor strand – 24 credit points in a single specialist area, or may be freely chosen by students from a variety of electives offered by UTS.

## Assessment Policy

This policy statement has been adopted in accordance with the University's policy on assessment. Successful implementation of this policy requires understanding, commitment and active participation in assessment processes by both students and staff. It is important that staff and students are familiar with the policy and that they work to ensure that assessment processes are conducted as consistently and fairly as possible.

The assessment period for the Bachelor of Design is one semester.

A semester program for each subject is provided to students by the third week of the semester. This program provides, in more detail than the subject description, an outline of the content, staffing, teaching/learning strategies, pattern of assignments, assignment weighting and basis of assessment planned for the semester. The basis for assessment is spelt out in the semester program for each subject. Attendance and participation in classes may be a prerequisite to a passing assessment in all subjects. Achievement of a subject's aims becomes difficult if many lectures, seminars, tutorials or studio/workshop sessions are missed.

The assignment conditions set by the subject lecturer define as necessary the submission format, the submission deadline and the assessment criteria. The submission deadline is the date and time at which the assignment is due. Assignments are required to be delivered to the subject lecturer, or to the person nominated by the subject lecturer to accept submissions, before the deadline.

Late submissions will not be accepted. The only exceptions to this policy can occur where prior arrangements have been made with the subject lecturer. Students are strongly advised, in their own interest, to make an incomplete submission on time rather than to seek acceptance of a late submission.

Incomplete assignment submissions will be accepted before the deadline and will be assessed, and any students who believe themselves to have been prevented by disability or misadventure from completing an assignment may attach to their submitted work a written explanation of the circumstances preventing completion.

Subject assessments are compiled by coordinating examiners, in consultation with staff teaching in the subject and with the Director of Program. In the compilation of subject assessments, assignment marks are weighted to reflect the duration, importance and effectiveness, as a measure of competencies, of the various assignments. Each grade proposed is based upon a percentage score.

A conceded pass or R result can be awarded to a student by the Examination Review Committee. This is given to a student whose mark is just below the pass/fail boundary. In any one semester a student may be awarded one conceded pass only, and in order to be granted that, must have achieved passing grades in all other subjects attempted and a Weighted Average Mark (WAM) of 55 or greater in that assessment period.

The Examination Review Committee meets to consider consolidated results. Medical and other properly submitted evidence about factors affecting a student's performance plus records of absences and approved leave are considered. When approved and adopted by the Examination Review Committee, results become official and are released to students by the University's Student Administration Unit.

## Bachelor of Design in Fashion and Textile Design

- ◆ *Course code: DF01*
- ◆ *Testamur title: Bachelor of Design*
- ◆ *Abbreviation: BDesign*
- ◆ *Course fee: HECS*

Fashion and textile design is concerned with the design of fashion clothing, surface and textiles, their related fields and technologies. The course deals with the changing needs and values of society and how this reflects on the direct and allied industries. The context of the course covers aspects from street to high-end fashion, and fashion to interior textiles.

Fashion and textile designers work with or alongside manufacturers and marketers; they have responsibility for design direction and marketability of produced concepts. They need to have an awareness of current and projected trends and values in lifestyle, and a detailed understanding of materials, technologies and process methodologies of the fashion and textile industry. The structure of the course is planned to produce graduates who aspire to the highest level of practice and who, as individuals, are capable of adapting to the diversified and changing nature of the industry while developing a personal philosophy and style.

In the first year, the curriculum supports problem-based and self-directed learning. In Autumn semester students are involved in multidisciplinary study, including design communications, research methods and contextual studies. The common program is complemented by fashion and textiles fundamentals. Major studies for fashion and textile design commence in Spring semester and focus on technology and communication in both disciplines. Design theory supports core study areas.

Second-year subjects comprise three complementary streams: fashion, textile, research and communications. Through the study of theory and practice in these fields, students develop their understanding of the design process, its adaptation and application to society. Third-year subjects, while continuing these streams, encourage specialist development of individual design practice, together with a professional experience program and academic research.

Fashion design involves the study of the varied levels and market areas of this design field, while textile design encompasses the spectrum of surface design, with all its nuances.

## Course program

### Year 1

#### Level 100

83100	Fashion and Textile Fundamentals	6cp
85100	Common Design Project	6cp
85200	Design Communications	6cp
85300	Research Methods	3cp
85400	Design History	3cp

#### Level 200

83250	Design and Technique	6cp
83230	F&T Communications 1	6cp
83240	Textile Systems	6cp
85420	Introduction to Thinking Design <sup>1</sup>	2cp

### Year 2

#### Level 300

83310	Fashion Design 1	6cp
83320	Print Technology	6cp
83340	F&T Communications 2	6cp
85430	Design Ecology <sup>1</sup>	2cp
8xxxx	Minor Studies	6cp

#### Level 400

83410	Fashion Design 2	6cp
83411	Sustainable Practice	6cp
83412	Marketing and Management	6cp
85440	Design, Culture and Contemporary Thought <sup>1</sup>	2cp
8xxxx	Minor Studies	6cp

### Year 3

#### Level 500

83510	Fashion Design 3	6cp
83520	Digital Fashion and Textiles (Elective)	6cp
83530	Research Project	6cp
85450	Design and Asia <sup>1</sup>	2cp
8xxxx	Minor Studies	6cp

#### Level 600

83610	Fashion Design Elective	6cp
83620	Design and Industry	6cp
83630	Professional Practice	6cp
85460	Theories of Change <sup>1</sup>	2cp
8xxxx	Minor Studies	6cp

### Year 4

#### Level 700

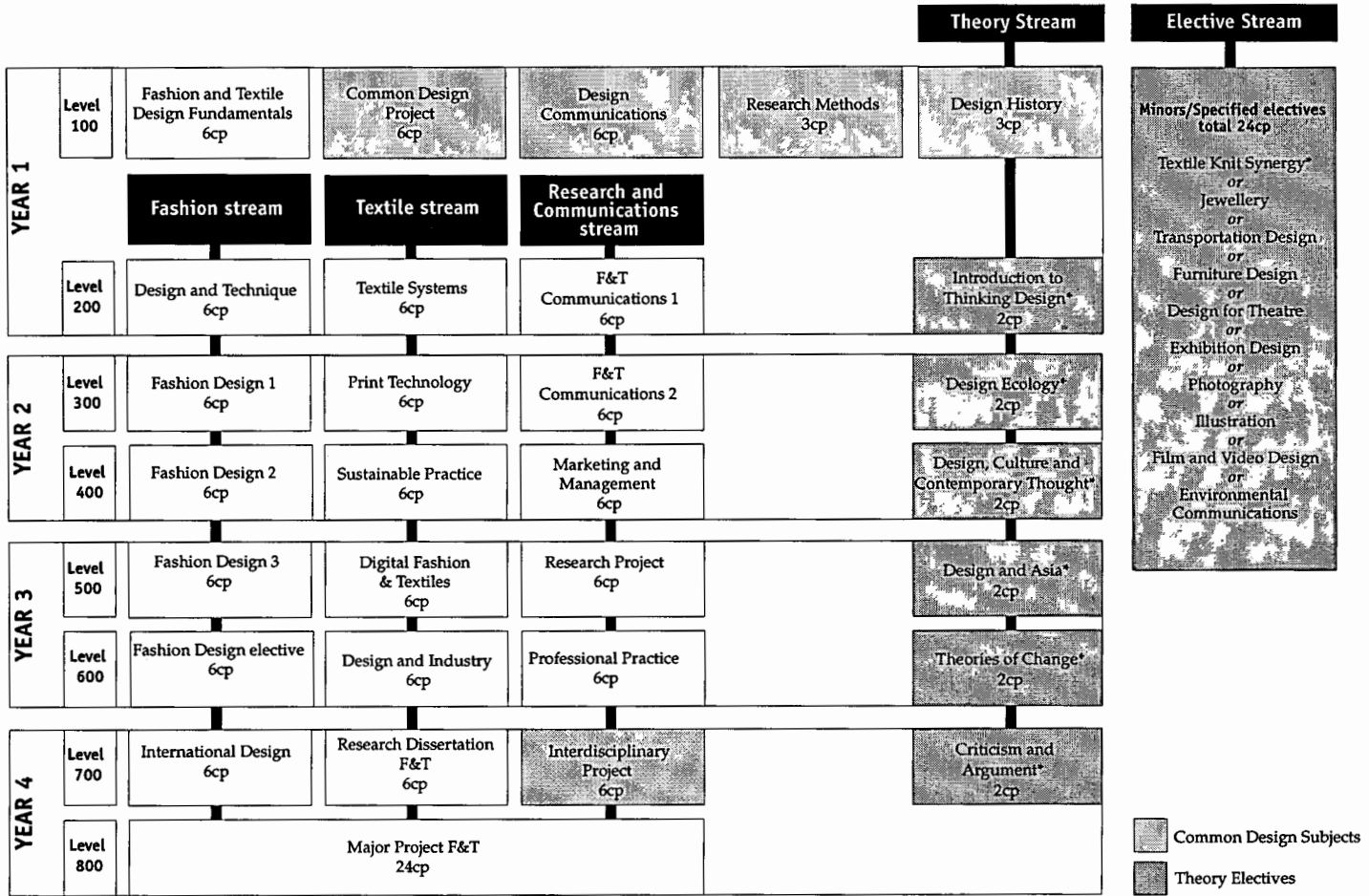
83710	International Design	6cp
83780	Research Dissertation F&T	6cp
85700	Interdisciplinary Project	6cp
85470	Criticism and Argument	2cp

#### Level 800

83880	Major Project F&T	24cp
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<sup>1</sup> These are examples of Design Theory subjects which may be offered.

**Bachelor of Design in Fashion and Textile Design model**



\* These are examples of Design Theory subjects which may be offered.

## Bachelor of Design in Industrial Design

- ◆ *Course code: DD01*
- ◆ *Testamur title: Bachelor of Design*
- ◆ *Abbreviation: BDesign*
- ◆ *Course fee: HECS*

Industrial Designers are concerned with the design of products to be produced by manufacturers. Employed by design consultants and industry, industrial designers are responsible for the visual and tactile qualities of products, their efficiency and cost effectiveness, and the wider implications the product may have to the society and the environment. This course is planned to produce graduates who can adapt successfully to industrial and social change and be capable of taking leadership roles in industry.

The program is designed to reflect the many changes occurring in industrial design. The increasing reliance on information systems and the development of powerful computing tools are changing the way designers work and how they relate to their clients and the users of products. The program expresses these developments through an emphasis on collaborative work, information handling and use of electronic technologies. The process of design is studied within a systems context. Understanding the place of design in the context of the socio-cultural, economical, and environmental systems provides the foundation for the design of products which are sustainable over the long term.

### Course structure

The curriculum is based on a problem-solving approach and self-directed learning. Students take a largely common first semester of multi-disciplinary study.

Lectures, seminars and tutorials support students engaged in projects and in workshops which are run concurrently with the projects. The workshops focus on subjects ranging from manufacturing and ergonomics to marketing and engineering science. A strand of design theory subjects runs throughout much of the course as does elective study which provides an opportunity to develop expertise in another area of design such as transport or film and video.

## Course program

### Year 1

#### Level 100

84100	Industrial Design Project 100	6cp
85100	Common Design Project	6cp
85200	Design Communications	6cp
85300	Research Methods	3cp
85400	Design History	3cp

#### Level 200

84221	Industrial Design Project 200A	6cp
84222	Industrial Design Project 200B	6cp
84223	Industrial Design Workshop 200C	6cp
85420	Introduction to Thinking Design <sup>1</sup>	2cp

### Year 2

#### Level 300

84331	Industrial Design Project 300A	6cp
84332	Industrial Design Project 300B	6cp
84333	Industrial Design Workshop 300C	6cp
85430	Design Ecology <sup>1</sup>	2cp
8xxxx	Minor Studies	6cp

#### Level 400

84441	Industrial Design Project 400A	6cp
84442	Industrial Design Project 400B	6cp
84443	Industrial Design Workshop 400C	6cp
85440	Design, Culture and Contemporary Thought <sup>1</sup>	2cp
8xxxx	Minor Studies	6cp

#### Level 500

84551	Industrial Design Project 500A	6cp
84552	Industrial Design Project 500B	6cp
84553	Industrial Design Workshop 500C	6cp
85450	Design and Asia <sup>1</sup>	2cp
8xxxx	Minor Studies	6cp

### Year 3

#### Level 600

84661	Industrial Design Project 600A	6cp
84662	Industrial Design Project 600B	6cp
84663	Industrial Design Workshop 600C	6cp
85460	Theories of Change <sup>1</sup>	2cp
8xxxx	Minor Studies	6cp

### Year 4

#### Level 700

84771	Industrial Design Project 700A	6cp
84780	Research Dissertation ID	6cp
85700	Interdisciplinary Project	6cp
85470	Criticism and Argument <sup>1</sup>	2cp

#### Level 800




84880	Industrial Design Major Project	24cp
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<sup>1</sup> These are examples of Design Theory subjects which may be offered.

Bachelor of Design in Industrial Design model

		Theory Stream				Elective Stream
YEAR 1	Level 100	Industrial Design Project 100 6cp	Common Design Project 6cp	Design Communications 6cp	Research Methods 3cp	* Design History 3cp
	Level 200	Industrial Design Project 200A 6cp	Industrial Design Project 200B 6cp	Industrial Design Workshop 200C 6cp		
YEAR 2	Level 300	Industrial Design Project 300A 6cp	Industrial Design Project 300B 6cp	Industrial Design Workshop 300C 6cp		Design Ecology* 2cp
	Level 400	Industrial Design Project 400A 6cp	Industrial Design Project 400B 6cp	Industrial Design Workshop 400C 6cp		Design, Culture and Contemporary Thought* 2cp
YEAR 3	Level 500	Industrial Design Project 500A 6cp	Industrial Design Project 500B 6cp	Industrial Design Workshop 500C 6cp		Design and Asia* 2cp
	Level 600	Industrial Design Project 600A 6cp	Industrial Design Project 600B 6cp	Industrial Design Workshop 600C 6cp		Theories of Change* 2cp
YEAR 4	Level 700	Industrial Design Project 700A 6cp	Research Dissertation ID 6cp	Interdisciplinary Project 6cp		Criticism and Argument* 2cp
	Level 800	Major Project ID Industrial Design 24cp				

- Minors/Specified electives total 24cp
- Textile Knit Synergy\*
  - or Jewellery
  - or Transportation Design
  - or Furniture Design
  - or Design for Theatre
  - or Exhibition Design
  - or Photography
  - or Illustration
  - or Film and Video Design
  - or Environmental Communications

-  Common Design Subjects
-  Theory Electives
-  Core subjects

\* These are examples of Design Theory subjects which may be offered.

## Bachelor of Design in Interior Design

- ◆ *Course code: DT01*
- ◆ *Testamur title: Bachelor of Design*
- ◆ *Abbreviation: BDesign*
- ◆ *Course fee: HECS*

Interior design is concerned with the design of all facets of the interior environment in response to the particular human activities occurring within. The interior designer works with the building construction and product supply industries to create interior environments for specific purposes. Often work is undertaken in association with other design and technological consultants. A designer of interiors is required to have a thorough understanding of human environmental needs and to have the capacity to develop and realise appropriate design solutions.

### Curriculum (total of 192 credit points)

The Interior Design program curriculum allows for a greater diversity of graduates. Flexible learning paths and opportunities for exploration, investigation and experimentation are offered. The first-year studies consist of discipline specific subjects and common design subjects which all involve problem-based projects and activities. In Years 2 and 3, the student has greater flexibility in subjects offered in the core and may work with students of other years through the vertical integration of the course. A structured interdisciplinary project, in the first semester of fourth year, offers the interior design student a chance to work in collaboration with those outside their discipline. The final year lets the interior design student conclude the exploration of the various streams with work on an industry project, dissertation, and in level eight, a major project.

Students will be required to make a preferential election of their core elective subjects in the Spring Semester for the following academic year. All effort will be made to provide the subjects elected but the Program reserves the right to offer other subjects where those elected cannot be offered in the chosen year.

Students who miss out on an elected subject will be given priority if the subjects are offered in the following academic year.

Core electives from other design disciplines may be chosen, subject to Interior Program Director's approval.

### Interior Design core subjects

72 credit points are required in the Interior Design core by the end of Year 3. Students must take a minimum of four subjects from the Interior Industry subject stream. The remaining subject required for Years 2 and 3 can be taken from the other two Interior subject streams with a minimum of three subjects from each of these streams. Interior core subjects will be offered on a student demand basis.

### Course program

#### Year 1

##### Level 100

86000	Interior Methodology and Space	6cp
85100	Common Design Project	6cp
85200	Design Communications	6cp
85300	Research Methods	3cp
85400	Design History	3cp

##### Level 200

85420	Introduction to Thinking Design <sup>1</sup>	2cp
86320	Material Science and Interior Space	6cp
86420	Interior Communications	6cp
86120	Interior Identity and Space	6cp

#### Years 2 and 3

##### Level 300–600<sup>2</sup>

85430	Design Ecology <sup>1</sup>	2cp
85440	Design, Culture and Contemporary Thought <sup>1</sup>	2cp
85450	Design and Asia <sup>1</sup>	2cp
85460	Theories of Change <sup>1</sup>	2cp
85470	Criticism and Argument <sup>1</sup>	2cp

<sup>1</sup> These are examples of Design Theory subjects which may be offered. A total of 24 credit points of electives are to be completed during Years 2 and 3.

<sup>2</sup> One Design Theory subject is to be taken each semester.

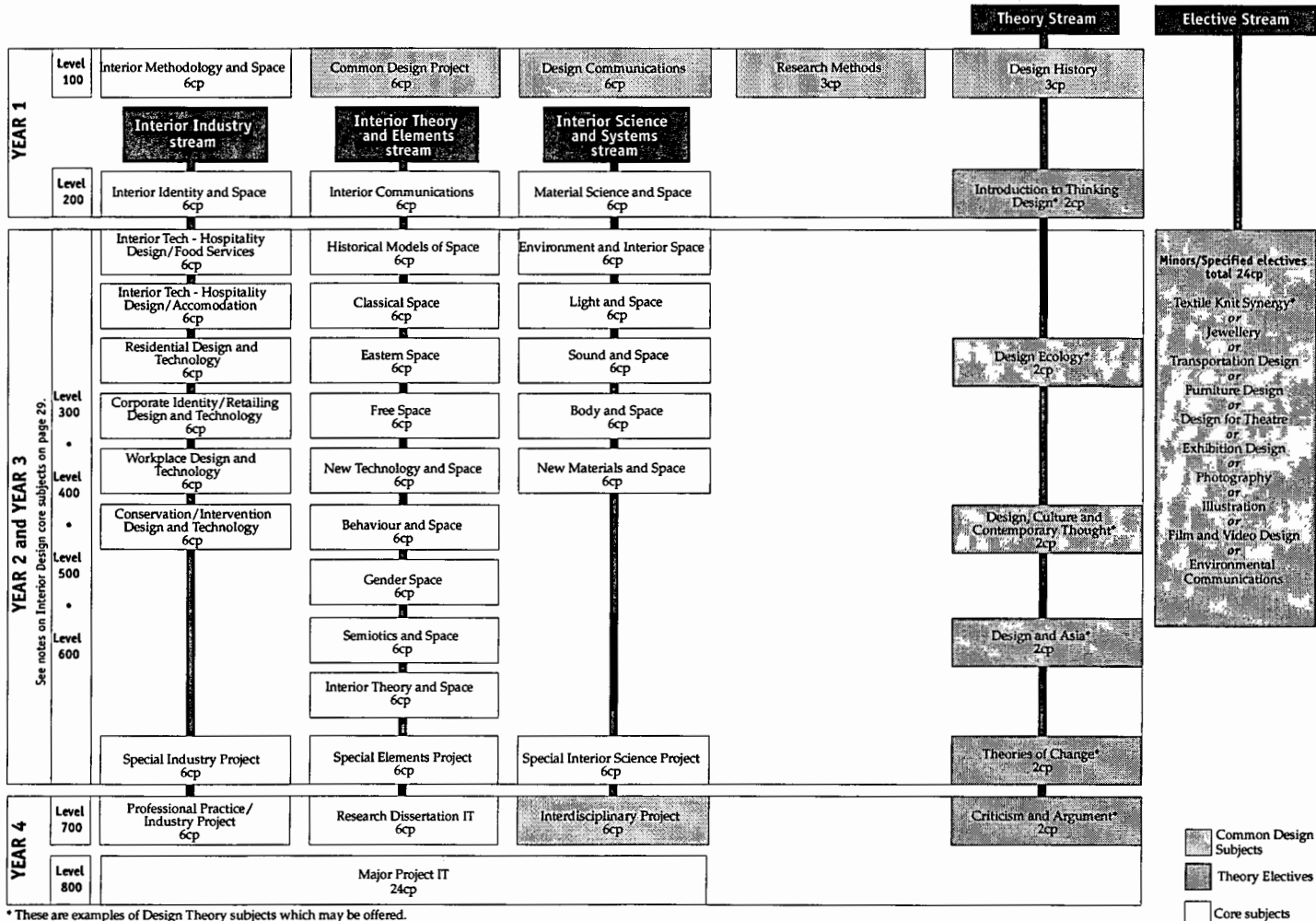
### Interior Industry subject stream

86131	Interior Technology – Hospitality Design/Food Services	6cp
86132	Interior Technology – Hospitality Design/Accommodation	6cp
86140	Residential Design and Technology	6cp
86150	Corporate Identity/Retailing Design and Technology	6cp
86160	Workplace Design and Technology	6cp
86170	Conservation/Intervention Design and Technology	6cp
86190	Special Industry Project	6cp

### Interior Theory and Elements subject stream

86230	Historical Models of Space	6cp
86231	Classical Space	6cp
86232	Eastern Space	6cp

Bachelor of Design in Interior Design model



- Common Design Subjects
- Theory Electives
- Core subjects

\* These are examples of Design Theory subjects which may be offered.

86233	Free Space	6cp
86240	New Technology and Space	6cp
86250	Behaviour and Space	6cp
86260	Gender Space	6cp
86270	Semiotics and Space	6cp
86280	Interior Theory and Space	6cp
86290	Special Elements Project	6cp

### **Interior Science and Systems subject stream**

86331	Environment and Interior Space	6cp
86340	Light and Space	6cp
86350	Sound and Space	6cp
86360	Body and Space	6cp
86370	New Materials and Space	6cp
86390	Special Interior Science Project	6cp

#### Year 4

#### **Level 700**

86710	Professional Practice and Industry Project	6cp
86780	Research Dissertation IT	6cp
85700	Interdisciplinary Project	6cp

#### **Level 800**

86880	Major Project IT	24cp
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## **Bachelor of Design in Visual Communication**

- ◆ *Course code: DV01*
- ◆ *Testamur title: Bachelor of Design*
- ◆ *Abbreviation: BDesign*
- ◆ *Course fee: HECS*

Visual Communication design involves the creation, processing and production of messages in an ever-expanding range of communication contexts. Designers are employed for their expertise and creativity to develop the optimum form and impact of the message. The message may need to instruct, direct, inform, entertain and/or persuade and its form may include text, image and/or sound which may be generated by hand and/or digitally. The medium of the message may be static and/or dynamic.

The Visual Communication course aims to prepare students for this diversity and expects graduates to aspire to the highest level of professional practice and to take an imaginative and constructively critical approach to their work. Two important features of the course are that students are encouraged to develop their own creative abilities and to be aware of the broader cultural, social and political impact of their design work.

Subjects actively encourage conceptual skills and design processing in the context of communication, rather than the performance of technical operational skills. This is emphasised throughout the course which is structured to allow students to select areas of interest particularly in the second half of the course.

### **Course program**

(Applies for all first year students from 1999 and all other students from 2000.)

#### Year 1

#### **Level 100**

87100	Design Projects VC 1	6cp
85100	Common Design Project	6cp
85200	Design Communications	6cp
85300	Research Methods	3cp
85400	Design History	3cp

#### **Level 200**

87221	Design Studies VC 2	6cp
87222	Design Projects VC 2	6cp
87223	Word and Image	6cp
85420	Introduction to Thinking Design <sup>1</sup>	2cp

#### Year 2

#### **Level 300**

87301	Design Studies VC 3	6cp
87303	Typography 1	6cp
85430	Design Ecology <sup>1</sup>	2cp
—	Minor Studies	6cp

#### **Levels 300 & 400**

87342	Design Projects VC 3/4	12cp
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#### **Level 400**

87401	Design Studies VC 4	6cp
87403	Typography 2	6cp
85440	Design, Culture and Contemporary Thought <sup>1</sup>	2cp
—	Minor Studies	6cp

#### Year 3

#### **Level 500**

87501	Design Studies VC 5	6cp
87503	Visual Technologies 1	6cp
85450	Design and Asia <sup>1</sup>	2cp
—	Minor Studies	6cp

#### **Level 500 & 600**

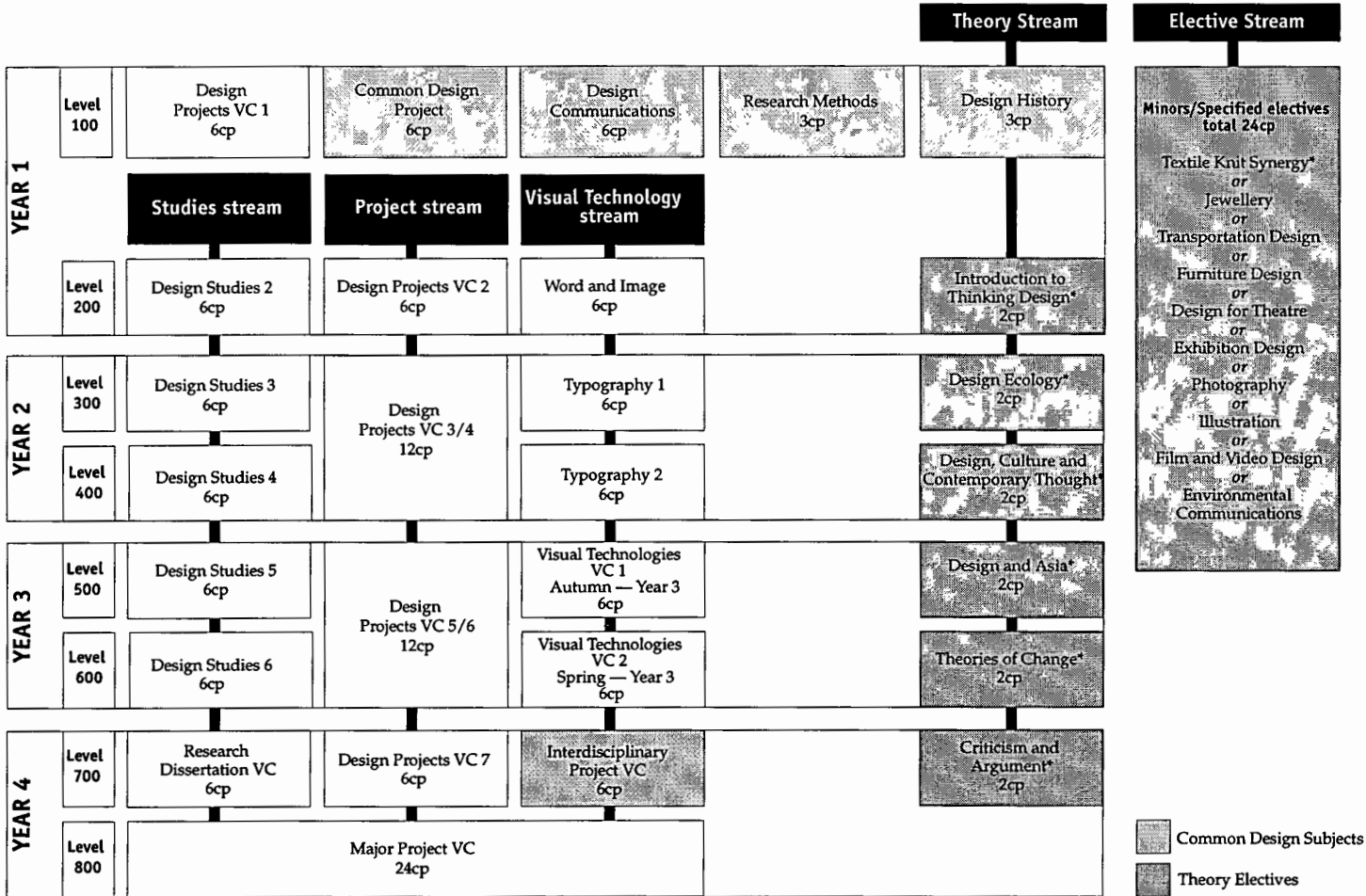
87562	Design Projects VC 5/6	12cp
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#### **Level 600**

87601	Design Studies VC 6	6cp
87603	Visual Technologies 2	6cp
85460	Theories of Change <sup>1</sup>	2cp
—	Minor Studies	6cp



Bachelor of Design in Visual Communication model



-  Common Design Subjects
-  Theory Electives
-  Core subjects

\* These are examples of Design Theory subjects which may be offered.

## Year 4

**Level 700**

87780	Research Dissertation VC	6cp
87702	Design Projects VC 7	6cp
85700	Interdisciplinary Project	6cp
85470	Criticism and Argument <sup>1</sup>	2cp

**Level 800**

87880	Major Project VC	24cp
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<sup>1</sup> These are examples of Design Theory subjects which may be offered.

**Elective Subjects**

The following one semester subjects are available for non-Visual Communication students; selection criteria apply. Please seek academic advice.

87302	Design Project VC 3(s)	6cp
87402	Design Project VC 4(s)	6cp
87502	Design Project VC 5(s)	6cp
87602	Design Project VC 6(s)	6cp

**ARCHITECTURE****Overview of courses**

The Architecture program at UTS offers intellectual and professional education through two distinctive but consecutive and strongly interconnected degree courses. The first tier of this two-tier structure comprises a Bachelor of Arts in Architecture, awarded after successful completion of the first four years of the program, while the second tier comprises either a Bachelor of Architecture or a Master of Architecture degree after a further two years of study.

The Bachelor of Architecture is a professional degree i.e. a qualification accepted for candidates seeking to take the professional examination of the Board of Architects and Royal Australian Institute of Architects (RAIA) as a prerequisite to registration under the provision of the Architects Act. The Bachelor of Architecture may be **undertaken only after** the successful completion of the Bachelor of Arts in Architecture degree (or equivalent), a degree which by itself does **not** lead to professional recognition.

Please note that for administrative purposes **all** potential students, irrespective of the likelihood of entry with advanced standing **must** apply for entry to the Bachelor of Arts in Architecture program; neither the Bachelor of Architecture nor the Master of Architecture may be undertaken as a 'stand alone' degree.

All students entering Years 1–5 of the course will enrol in either the Bachelor of Arts in Architecture program (Years 1–4 inclusive) the Bachelor of Architecture/Master of Architecture program (Year 5), details of which are provided below.

Under the current course structure students may be eligible to undertake a range of degree options, and may choose to undertake such degrees in a variety of year patterns. The chart below outlines likely patterns.

**Course aims – cooperative education**

A fundamental aim of the Architecture courses offered in the Faculty is to provide opportunities for students to combine study with practice, which is realised through the use of a combination of full-time and cooperative education programs.

Option	Award	cp	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
1	BA in Arch (AA03)	144	F/T (48)	co (32)	co (32)	co (32)			
2	BA (Hons) in Arch (AA04)	174	F/T (48)	co (32)	co (32)	F/T (62)			
3	BA (Hons) in Arch (AA04)	174	F/T (48)	co (32)	co (32)	co (32)	co (30)		
4	BArch (AA05)	208	prerequisite – BA in Arch				co (32)	co (32)	
5	MArch (AA55)	276	prerequisite – BA (Hons) in Arch				F/T (48)	F/T (48)	
6	MArch (AA55)	276	prerequisite – BA (Hons) in Arch				co (32)	co (32)	co (32)

**Legend:** F/T: Full-time attendance  
co: Cooperative attendance  
(xx): Credit points

The essence of cooperative education is the joint provision of architectural education by both the academy and the architectural profession. In this way a balance is maintained between intellectual study and practical training, between the study of architecture as a scholarly discipline in the University and the provision and development of professional skills in the workplace. Students thus engage contemporaneously in academic pursuits and practice through carefully monitored programs.

Delivery of architectural education in the cooperative mode places serious pedagogical obligations on both providers and students. On the part of the University, the obligation is to provide intellectual training by offering informed and challenging programs that treat in detail the study of architecture as a scholarly discipline. On the part of the profession, in cooperation with the University in the provision of architectural education, the obligation is to provide the practical training and experience that leads to the development of the skills necessary for the pragmatic practice of architecture as a professional and vocational discipline. On the part of the student the obligation is to assimilate the two, to weld the intellectual with the practical, the academic with the vocational, the University with the profession.

This parallel development in intellect and practice makes for balanced and well-informed students who can contribute at all stages of their education to their vocational discipline. The structure of the program also allows for maximum flexibility of study choices and career specialisation.

In general the cooperative education model means that students attend the university for one full day (9.00 a.m. – 9.00 p.m.) plus one additional evening (5.00 p.m. – 9.00 p.m.) per week during semester, while at the same time gaining practical experience by working, and thus being trained in an architect's office for at least a further three days per week.

Approved architectural experience is a precondition for the award of each of the degrees. Generally it takes approximately two years for a student to accumulate sufficient practice credit points to qualify for the award of the Bachelor of Arts in Architecture degree, and four years to qualify for the awards of Bachelor of Architecture or the Master of Architecture degrees.

At the completion of the academic program, and with the signed approval of the Director of Professional Practice, a student may submit a completed log book to the Board of Architects for confirmation of eligibility to submit for the Board of Architects Examination with a view to qualifying for vocational registration.

All information regarding registration with the Board of Architects and membership of the NSW Chapter of the Royal Institute of Australian Architects may be obtained from:

The Registrar, Board of Architects of NSW, 'Tusculum' 3 Manning Street, Potts Point 2011, telephone (02) 9356 4900.

## **Portfolio reviews and viva voce examinations**

### **Portfolio reviews**

At Years 1, 2 and 3 of the BA in Architecture and BA (Hons) in Architecture degree programs the subjects 11911/11921/11931 (Architectural Design 1, 2 and 3) and 11912/11922/11932 (Technology 1, 2 and 3) are monitored by a Portfolio Review Panel which inspects the year's work of each student, monitors the marks awarded by her or his tutors, and then arrives at a final grading by consensus. At Year 5 level of the new Bachelor of Architecture/ Master of Architecture degree program the single subject 11951 (Architectural Design and Technology 1) is similarly reviewed.

The Portfolio Review Panel will consist of some or all of the following:

- Professor of Architecture
- Subject-strand Director: Architectural Design
- Tuition Staff: Architectural Design
- Subject Coordinator: Design
- Three student representatives from the Year level being examined.
- All staff contributing to the specific subject(s) and/or component(s) in the Year level being examined.

This approach ensures that consistent standards can be applied and provides stringent safeguards.

### **Viva voce examinations**

At Year 4 level of the BA and BA (Hons) degree programs, and at Year 6 level of the new Bachelor of Architecture/Master of Architecture programs, the subjects 11941 (Architectural Design 4) and 11961 (Architectural Design and

Technology 2) respectively will be examined by way of a *viva* review.

The Viva Voce Review Panel is similar to the Portfolio Review Panel with the addition of an external academic and a professional representative.

## Bachelor of Arts in Architecture

- ◆ *Course code:* AA03
- ◆ *Testamur title:* Bachelor of Arts in Architecture
- ◆ *Abbreviation:* BA
- ◆ *Course fee:* HECS

The Bachelor of Arts in Architecture degree provides the first of a two-tier professional education course offered within the Faculty, the second tier comprises the Bachelor of Architecture/Master of Architecture programs which are outlined below.

The Bachelor of Arts in Architecture is a four-year program which may be undertaken as either a Pass degree or as an Honours degree.

### Pass degree

The Pass degree of Bachelor of Arts in Architecture is of four years' duration and comprises 144 credit points.

Year 1 is undertaken via full-time study, comprises 48 credit points and involves the equivalent of approximately 21 contact hours per week over two semesters. Years 2, 3 and 4 are undertaken as part of a cooperative education program, with each year comprising 32 credit points and involving the equivalent of 13 contact hours per week over two semesters.

While all subjects are compulsory in the Bachelor of Arts in Architecture program, a wide range of content choices, and opportunities for specialisation, are available to students via the subjects 'Elective studies'.

### Course program

#### Year 1

11911	Architectural Design 1	17cp
11912	Technology 1	13cp
11913	Theory Studies 1	9cp
11914	Professional Practice 1	3cp
11915	Elective Studies 1	6cp

#### Year 2

11921	Architectural Design 2	8cp
11922	Technology 2	9cp

11923	Theory Studies 2	9cp
11924	Professional Practice 2	—
11925	Elective Studies 2	6cp

#### Year 3

11931	Architectural Design 3	8cp
11932	Technology 3	5cp
11933	Theory Studies 3	9cp
11934	Professional Practice 3	4cp
11935	Elective Studies 3	6cp

#### Year 4

11941	Architectural Design 4	10cp
11942	Technology 4	12cp
11943	Theory Studies 4	6cp
11944	Professional Practice 4	4cp

Any students entering the architecture course at Year 4 level i.e. entering with advanced standing, will **not** be eligible for award of the Bachelor of Arts in Architecture degree, (either Pass or Honours degree), after the successful completion of Year 4 of the BA program. For such students Year 4 will be considered as a **qualifying year** for entry to Years 5 and 6 of the course. Students must have been enrolled for, and have successfully completed, a minimum of two full years of the program to be eligible for receipt of the degree.

Students wishing to undertake the Master of Architecture program in Years 5 and 6 will be required to successfully complete the Year 4 Honours program at the requisite level prior to such enrolment.

### Eligibility for the Honours program

Any student who has passed all subjects at Years 1 and 2 level and recorded no failures at Years 1 or 2 level, may elect to undertake the Honours Qualifying program in Year 3. The decision to undertake the Honours Qualifying program will be made at the beginning of Semester 2 of Year 3, with students undertaking additional work towards the Honours degree in that semester.

To qualify for entry into the Honours program in Year 4, students undertaking the Honours Qualifying program in Year 3 must:

- (1) pass all subjects undertaken at Year 3 level, including any elective subjects undertaken outside the program;
- (2) obtain a weighted average mark at credit level or above calculated on the basis of all subjects undertaken and required for the Pass degree at Year 3 level;
- (3) pass the subject 11936 Honours Qualifying at credit level or above.

Students who do not meet these requirements will undertake the Pass degree program in Year 4.

Students who have already successfully completed the Pass degree of the BA in Architecture and who wish to undertake the Honours program will be eligible to do so provided that they:

- (1) have recorded no failures at either Years 3 or 4 levels;
- (2) have obtained a weighted average mark at credit level in all Year 3 and Year 4 subjects;
- (3) have not previously attempted and recorded a fail in the Year 3 and/or 4 Honours program; and
- (4) enrol in the Honours program in the academic year immediately following that in which they have completed the BA Pass degree and thus prior to their receipt of that degree. Such students would be exempt from the Year 3 Honours Qualifying program but would be required to undertake the full Year 4 Honours program. Please note that in such cases only one BA degree will be awarded.

## Bachelor of Arts (Honours) in Architecture

- ◆ *Course code: AAO4*
- ◆ *Testamur title: Bachelor of Arts (Honours) in Architecture*
- ◆ *Abbreviation: BA(Hons)*
- ◆ *Course fee: HECS*

The Honours degree of the Bachelor of Arts in Architecture is an essential component of the educational profile established within the new course structure, particularly in light of the continuation of the professional course at both Bachelor of Architecture and Master of Architecture level. Entry to the professional Master's program will be through the BA (Honours) in Architecture program. The Honours degree is nominally of four years' duration and comprises 180 credit points. To be awarded the Honours degree of Bachelor of Arts in Architecture a candidate must fulfil all the requirements for the Pass degree plus

- (1) undertake and achieve at least a credit grade in the Year 3 subject 11936 Honours Qualifying;

- (2) undertake and achieve passes in the Year 4 subjects 11945 Honours Elective Thesis and 11946 Design Honours;
- (3) have recorded no failures in any Year 3 or 4 subjects;
- (4) obtain a weighted average mark at credit level or above calculated on the basis of all subjects undertaken and required for the Pass degree at Year 4 level.

### Class of Honours

Provided that the above conditions have been met, the class of Honours to be awarded will be determined as follows, subject to Faculty Board approval:

First Class Honours – weighted average mark of 75 or above in subjects 11945 Honours Elective Thesis and 11946 Design Honours

Second Class Honours Division 1 – weighted average mark of  $\geq 70$  but  $< 75$  as above

Second Class Honours Division 2 – weighted average mark of  $\geq 65$  but  $< 70$  as above

Third Class Honours – weighted average mark of  $\geq 50$  but  $< 65$  as above.

Students who undertake the Honours program in Year 4 but who record failures in any of the Honours components will (having satisfactorily completed all other subjects) be awarded the Pass degree of Bachelor of Arts in Architecture.

**Note:** under special conditions the Year 4 subject 11946 Design Honours may be substituted for an equivalent subject. See details below 'Special conditions for elective in Year 4'.

### Course program

#### Year 1

11911	Architectural Design 1	17cp
11912	Technology 1	13cp
11913	Theory Studies 1	9cp
11914	Professional Practice 1	3cp
11915	Elective Studies 1	6cp

#### Year 2

11921	Architectural Design 2	8cp
11922	Technology 2	9cp
11923	Theory Studies 2	9cp
11924	Professional Practice 2	—
11925	Elective Studies 2	6cp

#### Year 3

11931	Architectural Design 3	8cp
11932	Technology 3	5cp
11933	Theory Studies 3	9cp

11934	Professional Practice 3	4cp
11935	Elective Studies 3	6cp
11936	Honours Qualifying	6cp

#### Year 4

11941	Architectural Design 4	10cp
11942	Technology 4	12cp
11943	Theory Studies 4	6cp
11944	Professional Practice 4	4cp
11945	Honours Elective Thesis	24cp
11946	Design Honours	6cp

#### Honours program in Year 4

The Honours program in Year 4 may be undertaken either:

1. concurrently with all other Year 4 subjects as a full-time year (32+30=62 credit points). Students wishing to take this option would begin research for their major Honours thesis immediately after receiving notification of their successful completion of the full Year 3 program (i.e. mid December of the third academic year);  
*or*
2. over two years in a cooperative education mode. Students wishing to take this option would be required to undertake the subjects 11941 Architectural Design 4, 11942 Technology 4, 11943 Theory Studies 4 and 11944 Professional Practice 4 in the first year (32 credit points) followed by the subjects 11946 Design Honours, and 11945 Honours Elective Thesis in the second year (30 credit points).

#### Yearly progression

1. The BA in Architecture and the BA (Honours) in Architecture programs encourage maximum integration between architectural design subjects and those dealing with technology. Accordingly, students who fail, at any given year level, either the subject Architectural Design or the subject Technology (or both), will not be allowed to enrol in any subject in the next year level until these subjects have been passed. Neither architectural design subjects nor technology subjects can be 'carried' into a subsequent year.

**Example** – a student who had passed 11912 Technology 1 but who had failed 11911 Architectural Design 1 would be prohibited from enrolling in any Year 2 subjects until the subject 11911 Architectural Design 1 had been successfully repeated.

2. Subjects other than the architectural design and technology subjects may, at the discretion of the Program Director, be 'carried' into a subsequent year. However, failed subjects can only be carried into the subsequent year provided that the total number of subjects failed does not exceed two. Any student who fails more than two subjects at any year level will not be allowed to proceed to the next level of study.

**Example** – a student who passed both Architectural Design 1 and Technology 1 but who failed two of the other Year 1 subjects would be allowed to 'carry' the two failed subjects into Year 2, thus enrolling in a full Year 2 program plus the two failed Year 1 subjects.

3. Students 'carrying' subjects may enrol only in subjects that are in two consecutive years of the course.

**Example** – as described above, a student may undertake Year 2 subjects while 'carrying' up to two Year 1 subjects. However, a student would not be allowed to enrol in any Year 3 subjects until all Year 1 subjects had been successfully completed.

4. In addition to the above, entry to Years 3 and 4 are dependent on each student accruing the specified amount of architectural experience points, gained by virtue of their compulsory work in architectural offices. Students who have not accrued sufficient points and/or have not had them so approved by the Director of Professional Practice will not be eligible for enrolment in Year 3 or 4, regardless of having successfully completed the requisite academic program.

#### Elective studies

In each of Years 1, 2 and 3 of the BA program all students will be able to choose to study areas of specific interest by enrolling in the subjects Elective Studies 1, 2 and 3. At each year level the subject carries a weighting of six credit points, thus allowing students to undertake either two components at three credit points each or one component at six credit points.

Students will be free to choose from a range of available options as follows:

1. components offered within the Architecture program;

2. subjects offered in other programs in the Faculty of Design, Architecture and Building, subject to approval by the Program concerned;
3. subjects offered in other faculties in the University, subject to approval by the Faculty concerned.

Please note that subjects undertaken outside the Architecture program may not exceed six credit points.

Components offered within the Architecture program may vary from year to year depending on staff availability. Components to be offered within the BA in Architecture program in 2000 are listed below. Students will be advised of any changes/additions at the beginning of the academic year.

In special instances students may be directed to utilise the six credit points available in the Elective Studies strand to 'pick up' a compulsory subject that they might otherwise have missed. For example, given the program's commitment to acknowledging previous educational experiences, students accepted directly into the course at Year 2 or 3 level may be required, as a condition of their enrolment with advanced standing, and in order to address a perceived 'lack' in their previous education, to undertake prescribed subjects or components from an earlier year.

In all such cases, all required subjects will be confirmed with individual students prior to enrolment.

Note that in some elective components maximum class size may be limited according to availability of facilities.

In terms of timetabling, appropriate teaching hours will be allocated in each of the first three years for Elective Studies. Since students may elect to choose subjects from outside the Architecture program, these timetable hours refer only to elective components offered **within the program**. Additionally, students should note that subjects taken outside the Architecture program must not conflict with the program's timetable for compulsory subjects.

Students entering the Architecture program with previous university experience may request exemptions from the subject Elective Studies at the appropriate year level(s).

### Elective subjects offered within the Architecture program

Subject to staff availability the following elective components will be offered within the Architecture program in 2000:

#### Year 1

11915	Elective Studies 1: Evolution of Human Settlement	3cp
11915	Elective Studies 1: Life Drawing	3cp
11915	Elective Studies 1: Architecture/Technology/History	3cp

#### Year 2

11925	Elective Studies 2: Sustainable Architecture 1	3cp
11925	Elective Studies 2: Architectural Computing 2E <sup>1</sup>	3cp
11925	Elective Studies 2: Architectural Photography 1 <sup>1</sup>	3cp

#### Year 3

11935	Elective Studies 3: Sustainable Architecture 2	3cp
11935	Elective Studies 3: History of Architecture 3E	3cp
11935	Elective Studies 3: Architectural Computing 3E <sup>1</sup>	3cp
11935	Elective Studies 3: Theory and Architecture 3A	3cp
11935	Elective Studies 3: Theory and Architecture 3B <sup>2</sup>	3cp

<sup>1</sup> Maximum class size is 25.

<sup>2</sup> Maximum class size is 15.

Other selected specialist study areas may be offered from time to time, depending on available expertise. Further details may be found in the 'Subject descriptions' section in this Handbook.

### Elective subjects available in the Faculty in 2000

Certain subjects from programs in the discipline of Design may be available as suitable elective subjects for students enrolled in the BA in Architecture degree. As a general principle, students enrolled in Year 1 of the BA in Architecture might consider those subjects offered in the Design discipline under the heading of 'General Studies', while students enrolled in Years 2 and 3 might consider those offered under the general heading 'Minor Studies'. Further details may be found in the relevant section of this handbook.

Additionally, certain subjects from programs in the discipline of Building Studies may be available as suitable elective subjects for students enrolled in the BA in Architecture degree. Further details may be found in the relevant section of this Handbook.

### Elective subjects offered by other faculties

Students may undertake subjects in other faculties of the University, subject to approval by both the specific Faculty concerned and by the Coordinator of Electives in the Architecture program.

### Special conditions for elective in Year 4

While students wishing to undertake the Bachelor of Architecture degree must first successfully complete all subjects in the BA in Architecture degree, and those wishing to undertake the Master of Architecture degree must complete the BA (Honours) in Architecture degree at the required level, certain students may not wish to proceed to the professional degrees, choosing instead to leave after completion of either the Pass or the Honours degree of BA in Architecture. In such cases a student may, with the permission of the Program Director of Architecture, elect **not** to enrol in, but rather to undertake a special Year 4 Elective Studies program. This would be in an area of the student's special interest, such a course of action allowing for greater flexibility and offering the potential for the development of alternative career specialisations at an early stage. Please note, however, that students wishing to exercise this option may delete no more than 12 credit points from the Year 4 compulsory program.

In the immediate future, and for reasons of the availability of resources, only a limited range of alternatives will be offered within the Architecture program and, depending on the student's intended specialty or future study plans, he or she will be encouraged to look to other areas of the Faculty/University.

As from 1999, however, students completing the final year of their degree, may apply to undertake, as part of their fourth year of study, certain subject strands offered within the newly introduced Bachelor of Architecture course. To do this they would need to take components from Years 5 and 6 to **replace** the 10 credit points of 11941 Architectural Design 4. The following would be possibilities:

Environmental Science 5 and 6	equiv. 10cp
Theory and Architecture 4 and 5	equiv. 10cp
Urban Studies 3 and 4	equiv. 10cp
Architectural Practice 4 and 5	equiv. 10cp

Students undertaking the above option would still be eligible for enrolment in the BA (Honours) in Architecture program subject to suitable variations.

Any student choosing to undertake the special Year 4 elective would, thereby, not have undertaken certain compulsory Year 4 subjects, and thus would therefore not be permitted to enrol in either the Bachelor of Architecture or in the Master of Architecture program until these subjects had been successfully completed at the requisite level.

## Bachelor of Architecture

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- ◆ *Course code:* AA05
  - ◆ *Testamur title:* Bachelor of Architecture
  - ◆ *Abbreviation:* BArch
  - ◆ *Course fee:* HECS
- 

Following the successful completion of four years of architectural education at UTS or its judged equivalent at another institution as determined by the Program Admissions Panel, the Faculty will offer a further degree program – the Bachelor of Architecture.

The Bachelor of Architecture is the second tier of a professional degree structure, i.e. a qualification accepted for candidates seeking to take the professional examination of the Board of Architects and Royal Australian Institute of Architects as a prerequisite to registration under the provision of the Architects Act administered by the Board of Architects of NSW; and to professional membership of the Institute. The degree program is of two years' duration and may be undertaken **only after** the successful completion of the Bachelor of Arts in Architecture degree (either Pass, Honours degree or qualification judged equivalent). The Bachelor of Architecture degree is undertaken as part of a cooperative education program over two years – referred to here as Years 5 and 6 – each comprising 32 academic credit points, and involving the equivalent of 13 contact hours per week in each year over two semesters.

Total minimum academic credit-point requirement before the professional Bachelor of Architecture degree may be awarded is 208: 144 obtained from the Pass degree of BA in Architecture, plus 64 from the Bachelor of Architecture. Students entering with a BA (Honours) degree in Architecture (180cp) must nevertheless complete all 64 credit points of the Bachelor of Architecture program.



All subjects in the Bachelor of Architecture degree are compulsory.

On the basis of the weighted average mark achieved across all subjects the Bachelor of Architecture degree will be awarded **with Honours**.

## Course program

### Year 5

11951	Architectural Design and Technology 1	17cp
11953	Theory Studies 5	10cp
11954	Professional Practice 5	5cp

### Year 6

11961	Architectural Design and Technology 2	17cp
11963	Theory Studies 6	10cp
11964	Professional Practice 6	5cp

## Eligibility for entry

The Bachelor of Architecture program may be undertaken **only after** the successful completion of either the Pass or Honours degree of Bachelor of Arts in Architecture, or the equivalent from another institution as judged by the Program Admissions Panel.

All students who have successfully completed the four-year BA in Architecture or BA (Honours) in Architecture degree at UTS will automatically be accepted into the Bachelor of Architecture program as continuing students provided that they enrol in the Bachelor of Architecture in the next academic year after award of the degree, or seek leave of absence for no longer than one academic year after the award and have the required amount of architectural experience for entry into Year 5.

**Note:** entry to each of Years 3, 4, 5 and 6 of the course is based on each student accruing a specified minimum number of architectural practice credit points based on their office experience. While this specified minimum may, under special circumstances, be relaxed at Years 3 and 4 levels, entry to Years 5 and 6, and the awarding of the Bachelor of Architecture degree, is **strictly conditional upon** students accruing in each case the specified minimum number of points prior to enrolment/graduation. Details of practice credit-point requirements may be obtained from the Director of Professional Practice.

Students applying with suitable qualifications from other institutions, or UTS BA in Architecture graduates who have not proceeded directly to the Bachelor of Architecture course, would be 'external' students and would apply through the NSW and ACT Universities Admissions Centre (UAC) in the normal way. 'External' applicants would constitute new students and entry places would be limited, depending on quotas (available EFTSU).

## Awarding of Bachelor of Architecture degree with Honours

The Bachelor of Architecture will be awarded **with Honours**, with the class of Honours being based on the weighted average mark calculated on the basis of all subjects attempted in Years 5 and 6 as follows, subject to Faculty Board approval:

First Class Honours 75 or above

Second Class Honours  $\geq 65$  but  $\leq 75$

There will be no award of Third Class Honours in the Bachelor of Architecture program. Students who do not meet the above criteria but who pass all subjects in Years 5 and 6 will be awarded the Pass degree of Bachelor of Architecture. In addition, students who at any stage record a fail grade in any subject(s) in Years 5 and/or 6 will be awarded the Pass degree once all subjects have been successfully completed.

## Yearly progression

Students who fail the subject 11951 Architectural Design and Technology 1 (Year 5) may not enrol in any Year 6 subject until the former subject is successfully repeated.

Any Year 5 subject other than 11951 Architectural Design and Technology 1 may, at the discretion of the Program Director, be 'carried' into the subsequent year. However, any student who fails more than one subject in Year 5 will not be allowed to enrol in any of the subjects in Year 6 until the subjects have been successfully completed.

In addition, and as outlined above, entry to Years 5 and 6 will be strictly conditional upon each student having accrued the requisite number of architectural experience points for that year level.

## Master of Architecture (parallel program)

- ◆ *Course code: AA55*
- ◆ *Testamur title: Master of Architecture*
- ◆ *Abbreviation: MArch*
- ◆ *Course fee: tba*

Following the successful completion of four years of architectural education at UTS (or its judged equivalent at another institution as determined by the Program Admissions Panel) culminating in the award of a BA (Honours) degree in Architecture with First Class Honours or with Second Class Honours Division 1 (equivalent to 180 credit points) the Faculty will offer a further degree program – the Master of Architecture – as an alternative to the Bachelor of Architecture.

The Master of Architecture degree is **not** a 'stand alone' degree; it can **not** be undertaken as a postgraduate course following the award of a Bachelor of Architecture degree. It is specifically structured so that it may, for those students undertaking it, **replace** the Bachelor of Architecture degree. It will **not** be awarded in addition to the BArch, as described below.

The Master of Architecture degree is the second tier of a professional degree structure of two years full-time duration (referred to here as Years 5 and 6) or three years cooperative education comprising a further 96 credit points in total.

The Master's program comprises **all the requirements for the Bachelor of Architecture degree (180cp from BA + additional 64cp)** plus an additional subject. This subject, the Master's Research Elective, comprises a further 32 credit points and may be taken either:

1. concurrently with all other Years 5 and 6 subjects as two full-time years  
(32 + 16 = 48cp per year x 2 years = 96cp)
- or*
2. following completion of the 'normal' Years 5 and 6 subjects (32cp per year x 2 years = 64cp), as one additional year (Year 7) involving a further 32cp (64 + 32 = 96cp).

Total academic credit-point requirement before the Master of Architecture degree may be awarded is 276 (180 obtained from the Honours degree of BA in Architecture + 96).

All subjects in the Master of Architecture degree are compulsory, with considerable flexibility of subject content being offered in the Master's Research Elective components.

Current students completing all requirements for a UTS Bachelor of Architecture degree in 2000 at the requisite level (see point (c) below) may undertake the Master's Year 7 program in 2000.

### Course program

#### Year 5

11951	Architectural Design and Technology 1	17cp
11953	Theory Studies 5	10cp
11954	Professional Practice 5	5cp
11956	Master's Research Elective (Part 1)	16cp

#### Year 6

11961	Architectural Design and Technology 2	17cp
11963	Theory Studies 6	10cp
11964	Professional Practice 6	5cp
11956	Master's Research Elective (Part 2)	16cp

### Eligibility for entry

Entry to the Master of Architecture program proceeds by three possible routes. Conditions of entry and course requirements for each are listed below.

(a) Candidates entering with a UTS Honours degree of BA in Architecture:

Candidates seeking to enter the Master of Architecture program from Year 4 of the first degree program would be required to hold a Bachelor of Arts in Architecture with First Class or Second Class, Division 1 Honours and have completed all compulsory subjects.

(b) Candidates entering with an equivalent first degree in Architecture from another institution:

All candidates seeking to enter the Master of Architecture program with a first degree in Architecture from another institution would be subject to a portfolio interview conducted by the Program Admissions Panel. Such candidates must:

1. be able to demonstrate that they hold the equivalent of a First Class or Second Class, Division 1, Honours degree of BA in Architecture from UTS;
2. satisfy the interviewing panel that their architectural design work is of a standard comparable to that of the credit level achieved by Year 4 students at UTS; and
3. have previously successfully undertaken a major piece of academic writing equivalent to the Honours Elective thesis as described above.

Students who do not satisfy the above requirements would normally be expected to undertake all or part of the Year 4 BA (Honours) in Architecture program before being eligible to enrol in the Master of Architecture degree.

In some cases it may be necessary, in order to address perceived deficiencies or structural differences in previous educational programs, for such candidates to undertake all or part of the Year 3 BA in Architecture program, as well as that of Year 4.

Candidates from other institutions who meet the above entry requirements would be eligible for enrolment and would undertake the program as outlined above. Note, however, such 'external' applicants would constitute new students and entry places would be limited, depending on quotas (available EFTSU).

(c) Candidates completing all requirements for a UTS Bachelor of Architecture degree:

Candidates who have completed all requirements for the UTS Bachelor of Arts degree may, **provided they have not yet been awarded the BArch degree**, be eligible as candidates for the Master of Architecture degree provided that:

1. they have not recorded failures in any subject required for the BArch degree;
2. have achieved a weighted average mark of 70 or above calculated on the basis of all subjects undertaken in Years 5 and 6;
3. have not already attempted the Honours component of the BA and achieved a result less than 65. Please note that such candidates will be required to complete in one additional year of study the subject Master's Research elective; and that the Master's degree will not be awarded in addition to the Bachelor of Architecture.

### **Awarding of Master of Architecture degree**

To be awarded the Master of Architecture degree, students must (a) pass all required subjects in Years 5 and 6 at credit level or above, and (b) must have recorded no failures in any subjects in Years 5 and 6. Students enrolled in the Master's program in Year 5 who fail any subjects will revert in Year 6 to the Bachelor's program. Students enrolled in the Master's program in Year 6 who fail any subjects will be awarded the Bachelor of Architecture degree once all requisite subjects are passed.

## **BUILDING STUDIES**

Three undergraduate courses of cooperative education are offered:

Bachelor of Building in Construction Management

Bachelor of Land Economics

Bachelor of Building in Construction Economics

### **Regulations**

These regulations shall be read in conjunction with the University's Rules and By-law, as contained in the *UTS Calendar*.

### **Progression**

- On the recommendation of the Examination Review Committee, the Faculty Board may, in exceptional circumstances, exempt a student from the regulations relating to progression.
- The year in these regulations is defined as the program for a year shown in the current edition of the Faculty Handbook.
- A student may not enrol in subjects spanning more than two consecutive years of the course.
- A student may undertake subjects totalling not more than eight credit points from the previous year while doing a full program from the next year.
- A full-time student who is required to repeat subjects totalling more than eight credit points may enrol in subjects from the next year which would bring the student's total program to not more than 48 credit points.
- A part-time student who is required to repeat subjects totalling more than eight credit points may enrol in subjects of the next year which would bring the student's total program to not more than 32 credit points.
- In exceptional circumstances, course programs at variance with the above rules may be approved by the Associate Dean.

### **Guidelines for the awarding of Honours**

The award of Honours in undergraduate degree courses may be recommended by the Faculty Board for meritorious performance. Any such award is entirely within the

discretion of the Faculty Board and numeric calculation of level of performance is only one of the matters taken into consideration.

## Examinations and Assessment

Final grading for progression is determined by combining the total marks for class work and for final examinations, if any. Class assignments and quizzes are therefore of great importance.

Final examinations will be held at the end of the year, but some examinations may also be held at the end of the Autumn semester.

Arrangements for informal examinations, conducted in class, will be announced by the lecturer in each case. It is each student's responsibility to be present.

## Conduct of the Examination Review Committee

The Faculty Board has determined that the following procedures govern the operation of Examination Review Committees for each course.

1. The Examination Review Committee is a subcommittee of the Faculty Board with delegated power to make decisions on behalf of the Board.
2. The Examination Review Committee may modify the assessment of any examiner, subject to the clauses below.
3. A conceded pass in a subject may be awarded if the following are satisfied:
  - (a) The subject mark is in the range 45 per cent to 49 per cent.
  - (b) The student's weighted average mark for the assessment period is 55 per cent or greater.
  - (c) Only one failure is recorded for that assessment period.
4. Extenuating personal circumstances should not be taken into account in the examiners' assessments, but any such circumstances and recommendations may be brought to the attention of the Examination Review Committee.
5. Results should not be withheld unless the issue is expected to be determined within a week (e.g. by the submission of further or revised work) of the commencement of the following semester. Otherwise a failure should be recorded.
6. The Dean or Associate Dean may amend the decisions of the Examination Review Committee in the case of obvious clerical or arithmetic errors.

7. Except as to (6), no alterations may be made to the subject assessments of the Examination Review Committee other than by the use of an official review procedure.
8. The Associate Dean may amend the progression of a student as determined by the Examination Review Committee in the light of subject reassessments.
9. All alterations made under (6) are to be reported to the Faculty Board.

## University Medal

A student who displays exceptional merit in any of the undergraduate degree courses may be recommended for the award of the University Medal in addition to graduating with First Class Honours. Any such recommendation will be submitted to the appropriate University committee for approval.

## Checking of enrolment details

It is the student's responsibility to check that her or his enrolment is correctly shown on the listings which will be exhibited on the noticeboards during the first few weeks of each semester, and to notify the Faculty Office of any errors.

## Attendance

It is the student's responsibility to attend lectures and carry out all assignment and examination work in every subject in which he or she is enrolled.

On rare occasions, students repeating a subject may make special arrangements with the Coordinating Examiner regarding exemption from attendance at lectures for part of a course and/or credit for work previously completed. Any such arrangement must be documented, and it is the student's responsibility to obtain, in writing, clear evidence of the details of the arrangement from the Coordinating Examiner.

## Assignments

Assignments are to be handed in on or before the date and time specified in the program. Late assignments will not be accepted unless accompanied by a medical certificate or the like. It is each student's responsibility to make sure that the receipt of his or her assignment is noted by the lecturer.

Lecturers may, at their discretion, accept late assignments (and exact appropriate penalties), if students make arrangements in advance.

## Withdrawal from subjects

Students are referred to the relevant University Rule regarding withdrawal from subject(s) and their program of study.

The Associate Dean may grant approval for students to withdraw without academic penalty beyond the prescribed date.

Students having problems with the course caused by personal or work-related pressures are advised that the matter should, in the first instance, be discussed with the Program Director.

## Queries and counselling

The Program Director and Subject Coordinators are course counsellors, and queries of a general nature should be addressed to them. However, matters concerning a single subject should be raised, in the first instance, with the lecturer in that subject.

## Bachelor of Building in Construction Management

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- ◆ *Course code: AB03*
  - ◆ *Testamur title: Bachelor of Building in Construction Management*
  - ◆ *Abbreviation: BBuild*
  - ◆ *Course fee: HECS*
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### Aims

The Building graduate is concerned with management of the construction process. Extensive technological skills go hand in hand with the capacity to manage people, materials, equipment and plant in order to carry out this task as effectively as possible.

A great deal of the learning occurs through assignment work in which students participate in projects which simulate the conditions of actual practice. Hence students know what roles to expect and learn to exercise the judgment required of a professional.

### Course structure

The course may be undertaken either full time or part time and to graduate a student has to complete 192 credit points of academic study which includes 8 credit points of electives. The course focuses on resource and site management but also covers areas such as materials, structures, services, estimating, law, economics and construction technology.

Students are required to undertake practical studies as part of this program which for full-time students would typically involve field work and simulated office practice and for part-time students appropriate employment for the majority of their course. For detailed requirements advice should be sought from the Course Program.

It should be noted that some subject streams will involve prerequisites whereby an earlier subject in a stream will have to be completed before undertaking a subsequent subject. These streams are Construction, Construction Project, Structures, Law, Materials, Estimating, Drawing and Surveying and Services. Approval will have to be obtained before these requirements can be varied.

Before each yearly enrolment students should seek academic advice about the requirements for subjects they are about to undertake, their eligibility for doing so and the suitability of the subjects to their progression.

### Professional membership

Upon graduation, students may be eligible to apply for membership of a number of relevant professional bodies. Whilst enrolled at the University, students may also take out student membership.

Students should note that the Faculty's regulations regarding approved practical experience as set out apply to the award of its degrees, are different from, and may not meet, the practical experience requirements demanded by the professional bodies as a condition of membership.

Students should bear in mind their future professional intentions when satisfying the practical experience requirements for their degree.

### *Australian Institute of Building (AIB)*

The Australian Institute of Building (AIB) is the main professional association for building students and is recognised by Royal Charter.

The Bachelor of Building in Construction Management course satisfies the academic requirements for corporate membership of the Australian Institute of Building. There are additional professional experience requirements necessary for chartered membership concerning which students should refer to the AIB for details.

## Course program

### Four-year full-time program

Year 1		
16010	Construction Project 1	8cp
16111	Construction 1	8cp
16201	Drawing and Surveying 1	4cp
16901	Structures 1	6cp
16407	Building Communications	6cp
16725	Materials Science 1	6cp
16543	Quantities	6cp
16211	Computations, Mathematics and Statistics	6cp
		Total 50cp

Year 2		
16020	Construction Project 2	8cp
16112	Construction 2	8cp
16301	Services 1	6cp
16531	Estimating 1	6cp
16807	Introduction to Law	6cp
16902	Structures 2	6cp
16202	Drawing and Surveying 2	6cp
		Total 46cp

Year 3		
16113	Construction 3	8cp
16030	Construction Project 3	8cp
16302	Services 2	4cp
16726	Materials Science 2	6cp
16808	Construction Law	6cp
16903	Structures 3	6cp
16515	Building Company Performance	6cp
16516	Development Appraisal	4cp
		Total 48cp

Year 4		
16114	Construction 4	8cp
16532	Estimating 2	8cp
16040	Construction Project 4	8cp
—	Electives (2 off)	8cp
16131	Professional Practice	4cp
16221	Project	12cp
		Total 48cp

### Six-year part-time program

Year 1		
16010	Construction Project 1	8cp
16111	Construction 1	8cp
16201	Drawing and Surveying 1	4cp
16901	Structures 1	6cp
16407	Building Communications	6cp
		Total 32cp

Year 2		
16725	Material Science 1	6cp
16543	Quantities	6cp
16112	Construction 2	8cp
16301	Services 1	6cp
16211	Computations, Mathematics and Statistics	6cp
		Total 32cp

Year 3		
16020	Construction Project 2	8cp
16531	Estimating 1	6cp
16807	Introduction to Law	6cp
16902	Structures 2	6cp
16202	Drawing and Surveying 2	6cp
		Total 32cp

Year 4		
16113	Construction 3	8cp
16030	Construction Project 3	8cp
16302	Services 2	4cp
16726	Materials Science 2	6cp
16808	Construction Law	6cp
		Total 32cp

Year 5		
16114	Construction 4	8cp
16532	Estimating 2	8cp
16903	Structures 3	6cp
16515	Building Company Performance	6cp
16516	Development Appraisal	4cp
		Total 32cp

Year 6		
16040	Construction Project 4	8cp
—	Electives (2 off)	8cp
16131	Professional Practice	4cp
16221	Project	12cp
		Total 32cp

## Bachelor of Land Economics

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- ◆ *Course code:* AB06
  - ◆ *Testamur title:* Bachelor of Land Economics
  - ◆ *Abbreviation:* BLandEc
  - ◆ *Course fee:* HECS
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### Aims

The objectives of the Land Economics course are as follows:

- to produce a broadly educated graduate prepared for a career in the property industry;
- to equip students with an understanding of the legalities, principles, and processes required in order that they can fill a professional role as a property analyst, valuer, real estate agent, business agent, stock and station agent, auctioneer, property manager or a number of these;
- to develop an appreciation of a professional ethic which emphasises responsibility and responsiveness to community needs.

The course satisfies the educational requirements for licensing as a real estate agent, on-site residential property manager, business agent, stock and station agent, strata managing agent, registration as a valuer and practice as a project manager.

### Professional membership

Upon graduation, students may be eligible to apply for membership of a number of relevant professional bodies. Whilst enrolled at the University, students may also take out student membership.

Students should note that the Faculty's regulations regarding approved practical experience as set out apply to the award of its degrees, and are different from, and may not meet, the practical experience requirements demanded by the professional bodies as a condition of membership.

Students should bear in mind their future professional intentions when satisfying the practical experience requirements for their degree.

Although reference should be made to specific organisations, a guide to the requirements of the various bodies for admission to full membership is as follows.

### *Australian Property Institute (API)*

Student membership is actively sought by the Institute, and students are encouraged to join the various study groups, details of which are available from the Registrar.

The requirements for Associate Membership include the following:

- (a) a degree in a recognised course of study i.e. Bachelor of Land Economics at the University of Technology, Sydney;
- (b) a minimum of two years' approved valuation experience prior to application.

Under the provisions of the *Valuers Registration Act*, valuers are required to be registered. Full details can be obtained from the Department of Fair Trading.

### *Real Estate Institute of NSW (REI)*

The REI is the main professional body for real estate agency practice. Student membership is available and encouraged.

Amongst other things, membership entitles the student to receive the REI journal and participate in any of their Chapters, such as, Property Management, Commercial and Industrial, and Valuation.

### *Royal Institution of Chartered Surveyors (RICS)*

The Bachelor of Land Economics degree is accredited as meeting all the academic requirements for full corporate membership of RICS. Upon completion of the degree students may apply to the RICS to undertake their practical experience requirements which comprise a further two years of supervised and approved experience in industry. The RICS conduct an Assessment of Professional Competence at the end of this period.

### Industrial experience

In addition to attending classes, students are required to gain practical experience in appropriate professional or industrial organisations.

Full-time students undertake practical studies as part of the program included in core subjects. They are also required to gain approved professional experience in the final two full-time years of their programs. Part-time students are required to enrol each year, except Year 1, in the professional/industrial experience subject and to supply details of the experience gained. Further details can be obtained from the Director of Program.

**Course program****Four-year full-time program****Year 1**

16163	Appraisal and Statistics	8cp
16150	Land Studies 1	8cp
16351	Introduction to Valuation	6cp
16361	Real Estate 1	6cp
16551	Economics	8cp
16552	Financial and Trust Accounting	6cp
16851	Introduction to Law	6cp

**Year 2**

16152	Land Studies 2	4cp
16153	Building Technology	6cp
16352	Valuation Methodology	8cp
16354	Rural Valuation	6cp
16553	Finance and Investment Analysis	8cp
16651	Urban Planning	4cp
16853	Planning and Environmental Law	4cp
16854	Real Estate Law	4cp
16652	Environmental Design	4cp

**Year 3**

16155	Facility Evaluation	4cp
16355	Specialised Valuation Topics	8cp
16454	Investment and Portfolio Management	4cp
16453	Development Management	4cp
16554	Urban Economics	8cp
16997	Land Economics Experience (F/T)	—
16456	Real Estate 2	8cp

**Year 4**

16353	Advanced Valuation Methods	8cp
16751	International Property Investment	8cp
16356	Statutory Valuation and Litigation	4cp
16452	Land Studies 3	6cp
16961	Project	10cp
16997	Land Economics Experience (F/T)	—

**Six-year part-time program****Year 1**

16163	Appraisal and Statistics	8cp
16351	Introduction to Valuation	6cp
16361	Real Estate 1	6cp
16150	Land Studies 1	8cp

**Year 2**

16352	Valuation Methodology	8cp
16551	Economics	8cp
16552	Financial and Trust Accounting	6cp
16851	Introduction to Law	6cp
16998	Land Economics Experience (P/T)	—

**Year 3**

16153	Building Technology	6cp
16553	Finance and Investment Analysis	8cp
16354	Rural Valuation	6cp
16651	Urban Planning	4cp
16998	Land Economics Experience (P/T)	—
16152	Land Studies 2	4cp

**Year 4**

16456	Real Estate 2	8cp
16652	Environmental Design	4cp
16355	Specialised Valuation Topics	8cp
16853	Planning and Environmental Law	6cp
16998	Land Economics Experience (P/T)	—
16854	Real Estate Law	4cp

**Year 5**

16155	Facility Evaluation	4cp
16454	Investment and Portfolio Management	4cp
16554	Urban Economics	8cp
16998	Land Economics Experience (P/T)	—
16353	Advanced Valuation Methods	8cp
16453	Development Management	4cp

**Year 6**

16751	International Property Investment	8cp
16356	Statutory Valuation and Litigation	4cp
16961	Project	10cp
16998	Land Economics Experience (P/T)	—
16452	Land Studies 3	6cp



## Bachelor of Building in Construction Economics

- ◆ *Course code:* AB04
- ◆ *Testamur title:* Bachelor of Building in Construction Economics
- ◆ *Abbreviation:* BBuild
- ◆ *Course fee:* HECS

### Aims

The Bachelor of Building in Construction Economics degree provides quantity surveying education in applied economics for the construction industry, and leads to a professional qualification in quantity surveying. Quantity surveyors provide financial and economic advice relating to the cost management of projects from the time of their conception and extending throughout the design, construction and deployment phases. Quantity surveyors are key professionals in the construction industry and their clients include developers, government agencies, building proprietors, architects and contractors.

The degree may be conferred with first or second class honours for meritorious performance.

### Attendance

For part-time students attendance at University is on a two half-day release basis for 13 weeks each semester, but full-time students may be expected to attend at any time during the week. The course has been designed for each part-time year to have a maximum of four academic subjects. The contact hours allocated to each subject are nominal and will often be a combination of lectures, tutorials, workshops and self-directed teaching methods.

The course is designed so that students may transfer between part-time and full-time attendance patterns or between Construction Management and Construction Economics courses after Year 2 full time or Year 3 part time without incurring an extension to the duration of their course.

### Industrial experience

Undergraduate studies in Construction Economics are designed around the concept of cooperative education, and thus require concurrent practical experience as part of the program.

Part-time students are required to obtain the equivalent of 144 weeks (three years) approved industrial experience, comprising nominally four days per week full-time employment in the construction industry. Employment outside the construction industry may also be given some consideration. Industrial experience attained prior to commencement of the course will also be accepted subject to approval. Students must have at least 48 weeks (one year) approved experience prior to entering the final year of the course. Graduation will be delayed until the University is satisfied that its industrial experience requirements have been met.

Full-time students are required to obtain the equivalent of 48 weeks (240 days) approved industrial experience. Successful completion of the compulsory practical studies components of Construction 1–4 can contribute up to 24 weeks of the total requirement, the remaining experience necessarily coming from industry. Students must have at least 16 weeks (80 days) approved industry placement prior to entering the final year of the course and at least 24 weeks (120 days) approved industry placement prior to graduation. Graduation will be delayed until the University is satisfied that its industrial experience requirements have been met.

The following table summarises the industrial experience requirements for full-time students.

	Year 1	Year 2	Year 3	Year 4	Total
<b>Practical studies</b>	6wks	6wks	6wks	6wks	24wks
<b>Industry placement</b>	6wks	6wks	6wks	6wks	24wks
<b>Total</b>	12wks	12wks	12wks	12wks	48wks

### Advanced standing

Students with previous academic or industrial experience may be given recognition for prior learning (RPL) in the course. No student may be given advanced standing in excess of three-quarters of the course without the approval of Academic Board.

Students with advanced standing are given the opportunity to tailor their program of study in line with subjects completed previously at other institutions. This flexibility encourages students to design their own individual learning experiences and enables efficient articulation without repetition. Identified areas of weakness can also be targeted and

strengthened. Students will not be exempted from elective subjects due to previous study or qualifications.

Students given advanced standing are eligible to enter the course by way of the Semester Bridge, which runs as a full-time or part-time program and is delivered in an electronic distance learning mode.

There is a range of articulation pathways in the course, and students holding previous qualifications should contact the Faculty Office for further information.

### Professional membership

Successful completion of the undergraduate course satisfies the educational requirements for admission to the following professional organisations.

#### *Royal Institution of Chartered Surveyors (RICS)*

The Royal Institution of Chartered Surveyors (RICS) is a highly valued and respected professional association in the international community. The Bachelor of Building in Construction Economics degree is accredited as meeting all the academic requirements for full corporate membership of the RICS. Upon completion of the degree students may apply to the RICS to undertake their practical experience requirements which comprise a further two years of supervised and approved experience in industry. The RICS conduct an Assessment of Professional Competence at the end of this period.

#### *Australian Institute of Quantity Surveyors (AIQS)*

The Australian Institute of Quantity Surveyors (AIQS) is the main professional body for quantity surveyors in Australia. Successful completion of the Bachelor of Building in Construction Economics degree is accredited for admission to full corporate membership, though particular experience requirements also need to be met. Part-time students can obtain this experience during the last two years of their course so that they will be eligible for interview (Assessment of Professional Competence) immediately upon completion. Full-time students must obtain the two years' experience after completion of their course.

#### *Australian Institute of Building (AIB)*

The Australian Institute of Building (AIB) is the main professional association for building students and is recognised by Royal Charter.

The Bachelor of Building in Construction Economics degree is accredited as meeting all the academic requirements for full corporate membership of the AIB. Before becoming a Chartered Building Professional, additional practical experience requirements and an interview are necessary. Students should refer to the AIB for full details.

#### *Other professional bodies*

The Bachelor of Building in Construction Economics degree is also accredited by the New Zealand Institute of Quantity Surveyors (NZIQS), the Hong Kong Institute of Surveyors (HKIS), the Institute of Surveyors, Malaysia (ISM), the Singapore Institute of Surveyors and Valuers (SISV), the Institute of Quantity Surveyors of Kenya (IQSK), and the Sri Lanka Institute of Quantity Surveyors (SLIQS).

### Course program

#### Four-year full-time program

##### Year 1

16001	Preparatory Studies	8cp
16115	Construction 1	8cp
16621	Design Evaluation	8cp
16721	Material Science	8cp
16501	Quantity Surveying 1	8cp
16622	Environmental Planning	8cp

##### Year 2

16161	Statistics	8cp
16116	Construction 2	8cp
16502	Quantity Surveying 2	8cp
16805	Legal Studies 1	8cp
16533	Estimating	8cp
16310	Engineering Services	8cp

##### Year 3

16534	Project Planning and Risk	8cp
16117	Construction 3	8cp
16503	Quantity Surveying 3	8cp
16806	Legal Studies 2	8cp
16521	Cost Planning and Modelling	8cp
16522	Economic Development	8cp

##### Year 4

16411	Contract Administration	8cp
16118	Construction 4	8cp
16523	Advanced Cost Engineering	8cp
16513	Economic Analysis	8cp
16506	Quantity Surveying Practice*	8cp
—	Unspecified Electives*	8cp

#### \*Final Year Alternative

16224	QS Project	12cp
—	Unspecified Elective	4cp

**Six-year part-time program****Year 1**

16001	Preparatory Studies	8cp
16115	Construction 1	8cp
16621	Design Evaluation	8cp
16721	Material Science	8cp

**Year 2**

16161	Statistics	8cp
16116	Construction 2	8cp
16501	Quantity Surveying 1	8cp
16622	Environmental Planning	8cp

**Year 3**

16502	Quantity Surveying 2	8cp
16805	Legal Studies 1	8cp
16533	Estimating	8cp
16310	Engineering Services	8cp

**Year 4**

16534	Project Planning and Risk	8cp
16117	Construction 3	8cp
16503	Quantity Surveying 3	8cp
16806	Legal Studies 2	8cp

**Year 5**

16411	Contract Administration	8cp
16118	Construction 4	8cp
16521	Cost Planning and Modelling	8cp
16522	Economic Development	8cp

**Year 6**

16523	Advanced Cost Engineering	8cp
16513	Economic Analysis	8cp
16506	Quantity Surveying Practice*	8cp
—	Unspecified Electives*	8cp

**\* Final Year Alternative**

16224	QS Project	12cp
—	Unspecified Elective	4cp

**Semester Bridge****Additional program**

16225	QS Project (Summer)	12cp
16300	Industry Studies	12cp

Note: The Semester Bridge is available only to students who are eligible for advanced standing.

**COMBINED DEGREES**

New Bachelor of Design courses commenced for students entering first year in 1999, however, students undertaking second, third and fourth year remain in the old course. In 2000, all students will continue in or transfer to the new course. For further details of the new course refer to the section on Bachelor of Design.

**Bachelor of Design in Fashion and Textile Design/Bachelor of Arts in International Studies**

- ◆ *Course code: DF02*
- ◆ *Testamur title: Bachelor of Design Bachelor of Arts in International Studies*
- ◆ *Abbreviation: BDesign BA*
- ◆ *Course fee: HECS*

Fashion and textile design is concerned with the design of fashion clothing, surface and textiles, their related fields and technologies.

The aim of the combined degree in Fashion and Textile Design and International Studies is to produce graduates who have developed perspectives and understandings that will enable them to meet the professional demands of an internationalised marketplace.

The Bachelor of Design in Fashion and Textile Design/Bachelor of Arts in International Studies is a six-year degree in which the study of Fashion and Textile Design is integrated with a major in the language and culture of another country. Students spend the fourth year of study at a university overseas. All arrangements in force for both the Bachelor of Design and the Bachelor of Arts in International Studies apply equally to the combined degree program in Design and International Studies.

The combined degree program in Fashion and Textile Design and International Studies provides students with additional practical skills, in particular those that make them aware of the international contexts of fashion and textile design by providing the opportunity to acquire knowledge and understanding of a language and culture other than English.

## Course structure

The Bachelor of Design in Fashion and Textile Design curriculum is based on a problem-solving approach and self-directed learning with significant emphasis on multidisciplinary study. Fashion and Textile Design studies focuses on core design fundamentals of both fashion and textiles, with a strong base of technology across both disciplines. All students are required to gain practical experience in professional design practice to augment and complement their academic studies.

The Bachelor of Arts in International Studies requires undergraduates to study a major – a region or country specialisation – over a minimum of three years. In Sydney, students study language and culture for at least two years, followed by a period of study overseas. The following range of majors is available: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam. The Greece and Vietnam specialisations are only available to students with a sound working knowledge of the language of their selected specialisation.

Australia and the Asia-Pacific Region is available as a major to international students.

Each of the specialisations within the International Studies program is 96 credit points, and includes 32 credit points (four subjects) of instruction in Language and Culture; 8 credit points of study of Comparative Social Change; 8 credit points of study of Contemporary Society; and 48 credit points (two semesters) of study at an institution of higher education in a country of the major.

Those who have not previously studied a language and culture other than English are as able to complete this program, as those who have.

## Arrangements for In-country Study

All students are required to complete four consecutive semesters of study of Language and Culture before proceeding to In-country Study. There are different classes available for students according to their level of language proficiency.

The Institute for International Studies makes arrangements for students to spend two semesters of In-country Study at an institution

of higher education in a country of their major. The costs of tuition in host institutions overseas and travel between Sydney and the designated host institutions are borne by UTS except in cases where a scholarship has been awarded to the student with provision for these costs. Under those circumstances, the funds that would have otherwise been allocated towards the student's tuition and travel will be redirected to support the In-country Study program in general. In most cases, the cost of living for the period of In-country Study will not exceed the cost of living away from home in Sydney. However, students should be aware that the cost of living in some countries – notably Argentina, France, Germany, Hong Kong, Japan and Taiwan – may be higher than in Sydney.

## Course program

### Year 1

#### Stage 1

83100	Fashion and Textile Fundamentals	6cp
85100	Common Design Project	6cp
85200	Design Communications	6cp
85300	Research Methods	3cp
85400	Design History	3cp

#### Stage 2

83250	Design and Technique	6cp
83220	Textile Systems	6cp
83230	F & T Communications 1	6cp
85420	Introduction to Thinking Design <sup>1</sup>	2cp

<sup>1</sup> These are examples of Design Theory subjects which may be offered.

Contact the Faculty of Design, Architecture and Building for subject details of later years.

Further details of International Studies subjects may be found in the *Institute for International Studies Handbook*. Queries regarding the International Studies component of the course should be addressed to the Institute itself on (02) 9514 1574.

Combined degree students are required to confirm, during the University enrolment period, the subjects they intend to take for the year with the Institute at 10 Quay Street (opposite Her Majesty's Theatre).

## Bachelor of Design in Interior Design/Bachelor of Arts in International Studies

- ◆ *Course code: DT02*
- ◆ *Testamur title: Bachelor of Design Bachelor of Arts in International Studies*
- ◆ *Abbreviation: BDesign BA*
- ◆ *Course fee: HECS*

Interior design is concerned with the design of all facets of the interior environment in response to the particular human activities occurring within. The interior designer works with the building construction and product supply industries to create interior environments for specific purposes.

The aim of the combined degree in Interior Design and International Studies is to produce graduates who have developed perspectives and understandings that will enable them to meet the professional demands of an internationalised marketplace.

The Bachelor of Design in Interior Design/Bachelor of Arts in International Studies is a six-year degree in which the study of Interior Design is integrated with a major in the language and culture of another country. Students spend the fourth year of study at a university overseas. All arrangements in force for both the Bachelor of Design and the Bachelor of Arts in International Studies apply equally to the combined degree program in Design and International Studies.

The combined degree program in Interior Design and International Studies provides students with additional practical skills, in particular those that make them aware of the international contexts of Interior Design by providing the opportunity to acquire knowledge and understanding of a language and culture other than English.

### Course structure

The Bachelor of Design in Interior Design curriculum is based on a problem-solving approach and self-directed learning with significant emphasis on multidisciplinary study. All students are required to gain practical experience in professional design practice to augment and complement their academic studies.

The Bachelor of Arts in International Studies requires undergraduates to study a major – a

region or country specialisation – over a minimum of three years. In Sydney, students study language and culture for at least two years, followed by a period of study overseas. The following range of majors is available: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam. The Greece and Vietnam specialisations are only available to students with a sound working knowledge of the language of their selected specialisation.

Australia and the Asia-Pacific Region is available as a major to international students.

Each of the specialisations within the International Studies program is 96 credit points, and includes 32 credit points (four subjects) of instruction in Language and Culture; 8 credit points of study of Comparative Social Change; 8 credit points of study of Contemporary Society; and 48 credit points (two semesters) of study at an institution of higher education in a country of the major.

Those who have not previously studied a language and culture other than English are as able to complete this program, as those who have.

### Arrangements for In-country Study

All students are required to complete four consecutive semesters of study of Language and Culture before proceeding to In-country Study. There are different classes available for students according to their level of language proficiency.

The Institute for International Studies makes arrangements for students to spend two semesters of In-country Study at an institution of higher education in a country of their major. The costs of tuition in host institutions overseas and travel between Sydney and the designated host institutions are borne by UTS except in cases where a scholarship has been awarded to the student with provision for these costs. Under those circumstances, the funds that would have otherwise been allocated towards the student's tuition and travel will be redirected to support the In-country Study program in general. In most cases, the cost of living for the period of In-country Study will not exceed the cost of living away from home in Sydney. However, students should be aware that the cost of living in some countries – notably Argentina, France, Germany, Hong Kong, Japan and Taiwan – may be higher than in Sydney.

## Course program

Year 1

### Stage 1

86000	Interior Methodology and Space	6cp
85100	Common Design Project	6cp
85200	Design Communications	6cp
85300	Research Methods	3cp
85400	Design History	3cp

### Stage 2

86120	Interior Identity and Space	6cp
86420	Interior Communications	6cp
86320	Material Science and Interior Space	6cp
85420	Introduction to Thinking Design <sup>1</sup>	2cp

<sup>1</sup> These are examples of Design Theory subjects which may be offered.

Contact the Faculty of Design, Architecture and Building for subject details of later years.

Further details of International Studies subjects may be found in the *Institute for International Studies Handbook*. Queries regarding the International Studies component of the course should be addressed to the Institute itself on (02) 9514 1574.

Combined degree students are required to confirm, during the University enrolment period, the subjects they intend to take for the year with the Institute at 10 Quay Street (opposite Her Majesty's Theatre).

## Bachelor of Design in Industrial Design/Bachelor of Arts in International Studies

- ◆ *Course code: DD02*
- ◆ *Testamur title: Bachelor of Design Bachelor of Arts in International Studies*
- ◆ *Abbreviation: BDesign BA*
- ◆ *Course fee: HECS*

Industrial design is concerned with the design of products for the manufacturing industry. The industrial designer works with manufacturers and has the responsibility not only for the visual and tactile qualities of products but also to a large extent for their safety, efficiency and cost effectiveness.

The aim of the combined degree in Industrial Design and International Studies is to produce graduates who have developed perspectives and understandings that will enable them to meet the professional demands of an internationalised marketplace.

The Bachelor of Design in Industrial Design and Bachelor of Arts in International Studies is a six-year degree in which the study of Industrial Design is integrated with a major in the language and culture of another country. Students spend the fourth year of study at a university overseas. All arrangements in force for both the Bachelor of Design and the Bachelor of Arts in International Studies apply equally to the combined degree program in Design and International Studies.

The combined degree program in Industrial Design and International Studies provides students with additional practical skills, in particular those that make them aware of the international contexts of Industrial Design by providing the opportunity to acquire knowledge and understanding of a language and culture other than English.

### Course structure

The Bachelor of Design in Industrial Design curriculum is based on a problem-solving approach and self-directed learning with significant emphasis on multidisciplinary study. All students are required to gain practical experience in professional design practice to augment and complement their academic studies.

The Bachelor of Arts in International Studies requires undergraduates to study a major – a region or country specialisation – over a minimum of three years. In Sydney, students study language and culture for at least two years, followed by a period of study overseas. The following range of majors is available: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam. The Greece and Vietnam specialisations are only available to students with a sound working knowledge of the language of their selected specialisation.

Australia and the Asia-Pacific Region is available as a major to international students.

Each of the specialisations within the International Studies program is 96 credit points, and includes 32 credit points (four subjects) of instruction in Language and Culture; 8 credit points of study of Comparative Social Change; 8 credit points of study of Contemporary Society; and 48 credit points (two semesters) of study at an institution of higher education in a country of the major.

Those who have not previously studied a language and culture other than English are as able to complete this program, as those who have.

### Arrangements for In-country Study

All students are required to complete four consecutive semesters of study of Language and Culture before proceeding to In-country Study. There are different classes available for students according to their level of language proficiency.

The Institute for International Studies makes arrangements for students to spend two semesters of In-country Study at an institution of higher education in a country of their major. The costs of tuition in host institutions overseas and travel between Sydney and the designated host institutions are borne by UTS except in cases where a scholarship has been awarded to the student with provision for these costs. Under those circumstances, the funds that would have otherwise been allocated towards the student's tuition and travel will be redirected to support the In-country Study program in general. In most cases, the cost of living for the period of In-country Study will not exceed the cost of living away from home in Sydney. However, students should be aware that the cost of living in some countries – notably Argentina, France, Germany, Hong Kong, Japan and Taiwan – may be higher than in Sydney.

### Course program

#### Year 1

##### Stage 1

84100	Industrial Design Project 100A	6cp
85100	Common Design Project	6cp
85200	Design Communication	6cp
85300	Research Methods	3cp
85400	Design History	3cp

##### Stage 2

84221	Industrial Design Project 200A	6cp
84222	Industrial Design Project 200B	6cp
84223	Industrial Design Workshop 200C	6cp
85420	Introduction to Thinking Design <sup>1</sup>	2cp

<sup>1</sup> These are examples of Design Theory subjects which may be offered.

Contact the Faculty of Design, Architecture and Building for subject details of later years. Further details of International Studies subjects may be found in the *Institute for International Studies Handbook*. Queries regarding the

International Studies component of the course should be addressed to the Institute itself on (02) 9514 1574.

Combined degree students are required to confirm, during the University enrolment period, the subjects they intend to take for the year with the Institute at 10 Quay Street (opposite Her Majesty's Theatre).

## Bachelor of Design in Visual Communication/ Bachelor of Arts in International Studies

- ◆ *Course code: DV02*
- ◆ *Testamur title: Bachelor of Design Bachelor of Arts in International Studies*
- ◆ *Abbreviation: BDesign BA*
- ◆ *Course fee: HECS*

Design of visual communication involves the creation, processing and production of messages in a visual form. Designers in this area are employed to use their creativity and knowledge to determine the optimum effectiveness of the message, visually communicated to a selected group of people. The message may be designed to instruct, direct, inform, entertain or persuade, most often incorporating words and images produced freehand or with the assistance of photographic, video and digital technologies. In visual communication, designed messages are reproduced or transmitted to the end user/viewer through print or screen media.

The aim of the combined degree in Visual Communication and International Studies is to produce graduates who have developed perspectives and understandings that will enable them to meet the professional demands of an internationalised marketplace.

The Bachelor of Design in Visual Communication/Bachelor of Arts in International Studies is a six-year degree in which the study of Visual Communication is integrated with a major in the language and culture of another country. Students spend the fourth year of study at a university overseas. All arrangements in force for both the Bachelor of Design and the Bachelor of Arts in International Studies apply equally to the combined degree program in Design and International Studies.

The combined degree program in Visual Communication and International Studies provides students with additional practical skills, in particular those that make them aware of the international contexts of Visual Communication by providing the opportunity to acquire knowledge and understanding of a language and culture other than English.

### Course structure

The Bachelor of Design in Visual Communication curriculum is based on a problem-solving approach and self-directed learning with significant emphasis on multidisciplinary study. Visual Communication studies focuses on an understanding of the way the design process is mediated by the contemporary sociopolitical framework within which it occurs. All students are required to gain practical experience in professional design practice to augment and complement their academic studies.

The Bachelor of Arts in International Studies requires undergraduates to study a major – a region or country specialisation – over a minimum of three years. In Sydney, students study language and culture for at least two years, followed by a period of study overseas. The following range of majors is available: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam. The Greece and Vietnam specialisations are only available to students with a sound working knowledge of the language of their selected specialisation.

Australia and the Asia-Pacific Region is available as a major to international students.

Each of the specialisations within the International Studies program is 96 credit points, and includes 32 credit points (four subjects) of instruction in Language and Culture; 8 credit points of study of Comparative Social Change; 8 credit points of study of Contemporary Society; and 48 credit points (two semesters) of study at an institution of higher education in a country of the major.

Those who have not previously studied a language and culture other than English are as able to complete this program, as those who have.

### Arrangements for In-country Study

All students are required to complete four consecutive semesters of study of Language and Culture before proceeding to In-country Study. There are different classes available for students according to their level of language proficiency.

The Institute for International Studies makes arrangements for students to spend two semesters of In-country Study at an institution of higher education in a country of their major. The costs of tuition in host institutions overseas and travel between Sydney and the designated host institutions are borne by UTS except in cases where a scholarship has been awarded to the student with provision for these costs. Under those circumstances, the funds that would have otherwise been allocated towards the student's tuition and travel will be redirected to support the In-country Study program in general. In most cases, the cost of living for the period of In-country Study will not exceed the cost of living away from home in Sydney. However, students should be aware that the cost of living in some countries – notably Argentina, France, Germany, Hong Kong, Japan and Taiwan – may be higher than in Sydney.

### Course program

#### Year 1

##### Stage 1

87100	Design Projects VC 1	6cp
85100	Common Design Project	6cp
85200	Design Communications	6cp
85300	Research Methods	3cp
85400	Design History	3cp

##### Stage 2

87221	Design Studies VC 2	6cp
87222	Design Projects VC 2	6cp
87223	Word and Image	6cp
85420	Introduction to Thinking Design <sup>1</sup>	2cp

<sup>1</sup> These are examples of Design Theory subjects which may be offered.

Contact the Faculty of Design, Architecture and Building for subject details of later years.

Further details of International Studies subjects may be found in the *Institute for International Studies Handbook*. Queries regarding the International Studies component of the course should be addressed to the Institute itself on (02) 9514 1574.



Combined degree students are required to confirm, during the University enrolment period, the subjects they intend to take for the year with the Institute at 10 Quay Street (opposite Her Majesty's Theatre).

## Bachelor of Building in Construction Economics/ Bachelor of Arts in International Studies

- ◆ *Course code: AB08*
- ◆ *Testamur title: Bachelor of Building in Construction Economics  
Bachelor of Arts in International Studies*
- ◆ *Abbreviation: BBuild BA*
- ◆ *Course fee: HECS*

The Bachelor of Building in Construction Economics and Bachelor of Arts in International Studies is a six-year degree program combining the Bachelor of Building in Construction Economics program with the University's Bachelor of Arts in International Studies.

The Construction Economics degree program provides quantity surveying education in applied economics for the construction industry, and leads to a professional qualification in quantity surveying. Quantity surveyors provide financial and economic advice relating to the cost management of projects from the time of their conception throughout the design, construction and deployment phases. The aim of the combined degree is to provide graduates not only with those skills, but also the ability to deal with other languages and cultures, both within Australia and internationally.

### Course structure

Construction Economics covers all the important areas within the discipline and has a clear economic bias. A range of topics are dealt with including quantity surveying, economics, law, design, computing, management, materials science, estimating, construction and services.

The construction subjects are a core element of the course. Students are required to undertake practical studies as part of these subjects which typically involve field work or simulated office practice.

The Bachelor of Arts in International Studies requires undergraduates to study a major – a region or country of specialisation – over a

minimum of three years. In Sydney students study Language and Culture for at least two years, followed by a period of study overseas.

The following range of majors is available: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam. The Greece and Vietnam specialisations are only available to students with a sound working knowledge of the language of their selected specialisation.

Australia and the Asia-Pacific Region is available as a major to international students.

Each of the specialisations within the International Studies program is 96 credit points, and includes 32 credit points (four subjects) of instruction in Language and Culture; 8 credit points of study of Comparative Social Change; 8 credit points of study of Contemporary Society; and 48 credit points (two semesters) of study at an institution of higher education in a country of the major.

Those who have not previously studied a language and culture other than English are as able to complete this program as those who have.

### Arrangements for In-country Study

All students are required to complete four consecutive semesters of study of Language and Culture before proceeding to In-country Study. There are different classes available for students according to their level of language proficiency.

The Institute for International Studies makes arrangements for students to spend two semesters of In-country Study at an institution of higher education in the country of their major. The costs of tuition in host institutions overseas and travel between Sydney and the designated host institutions are borne by UTS except in cases where a scholarship has been awarded to the student with provision for these costs. Under those circumstances, the funds that would have otherwise been allocated towards the student's tuition and travel will be redirected to support the In-country Study program in general. In most cases the cost of living for the period of In-country Study will not exceed the cost of living away from home in Sydney. However, students should be aware that the cost of living in some countries – notably Argentina, France, Germany, Hong Kong, Japan and Taiwan – may be higher than in Sydney.

## Course program

<b>Year 1</b>		
16001	Preparatory Studies	8cp
16115	Construction 1	8cp
16721	Materials Science	8cp
50140	Comparative Social Change (Autumn semester)	8cp
976xx	Contemporary Society (Spring semester)	8cp
16621	Design Evaluation	8cp
<b>Year 2</b>		
16161	Statistics	8cp
16116	Construction 2	8cp
971xxx	Language and Culture 1 (Autumn semester)	8cp
972xxx	Language and Culture 2 (Spring semester)	8cp
16501	Quantity Surveying 1	8cp
16622	Environmental Planning	8cp
<b>Year 3</b>		
16502	Quantity Surveying 2	8cp
16805	Legal Studies 1	8cp
16533	Estimating	8cp
973xxx	Language and Culture 3 (Autumn semester)	8cp
974xxx	Language and Culture 4 (Spring semester)	8cp
16310	Engineering Services	8cp
<b>Year 4</b>		
977xxx	In-country Study 1 (Autumn semester)	24cp
978xxx	In-country Study 2 (Spring semester)	24cp
<b>Year 5</b>		
16521	Cost Planning and Modelling	8cp
16117	Construction 3	8cp
16806	Legal Studies 2	8cp
16534	Project Planning and Risk	8cp
16522	Economic Development	8cp
16503	Quantity Surveying 3	8cp
<b>Year 6</b>		
16411	Contract Administration	8cp
16118	Construction 4	8cp
16523	Advanced Cost Engineering	8cp
16513	Economic Analysis	8cp
16506	Quantity Surveying Practice*	8cp
—	Unspecified Electives*	8cp
<b>*Final Year Alternative</b>		
16224	QS Project	12cp
—	Unspecified Elective	4cp

Further details of International Studies subjects may be found in the *Institute for International Studies Handbook*. Queries regarding the International Studies component of the course should be addressed to the Institute itself on (02) 9514 1574.

Combined degree students are required to confirm, during the University enrolment period, the subjects they intend to take for the year with the Institute at 10 Quay Street (opposite Her Majesty's Theatre).

## Bachelor of Building in Construction Management/ Bachelor of Arts in International Studies

- ◆ *Course code: AB08*
- ◆ *Testamur title: Bachelor of Building in Construction Management  
Bachelor of Arts in International Studies*
- ◆ *Abbreviation: BBuild BA*
- ◆ *Course fee: HECS*

The Bachelor of Building in Construction Management/Bachelor of Arts in International Studies is a six-year degree program in which Construction Management studies are combined with International Studies. The Building graduate is concerned with management of the construction process. Extensive technological skills are required alongside the capacity to manage people, materials, equipment and plant in order to carry out this task as effectively as possible. The aim of the combined degree in Construction Management and International Studies is to produce graduates who have not only those skills but also developed perspectives and understandings that will enable them to meet the demands of an internationalised professional environment.

The combined degree program in Building in Construction Management and International Studies provides students specialising in Construction Management with additional practical skills by providing the opportunity to acquire knowledge and understanding of a language and culture other than English.

### Course structure

To graduate a student is required to have completed 288 credit points: 192 credit points in Construction Management; and 96 credit points in International Studies. Students are also required to undertake periods of approved

industrial training. The degree may be conferred with First or Second Class Honours for meritorious performance.

Construction Management concerns the management of the construction stage of building projects on time, within estimated cost targets and to the level of quality established in the contract documents, and fulfilling the needs of the community. The course focuses on resource and site management but also covers areas such as materials, structures, services, estimating, law, economics and construction technology.

Students are required to undertake practical studies as part of these subjects which typically involve field work or simulated office practice.

The Bachelor of Arts in International Studies requires undergraduates to study a major – a region or country of specialisation – over a minimum of three years. In Sydney students study Language and Culture for at least two years, followed by a period of study overseas.

The following range of majors is available: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam. The Greece and Vietnam specialisations are only available to students with a sound working knowledge of the language of their selected specialisation.

Australia and the Asia-Pacific Region is available as a major to international students.

Each of the specialisations within the International Studies program is 96 credit points, and includes 32 credit points (four subjects) of instruction in Language and Culture; 8 credit points of study of Comparative Social Change; 8 credit points of study of Contemporary Society; and 48 credit points (two semesters) of study at an institution of higher education in a country of the major.

Those who have not previously studied a language and culture other than English are as able to complete this program as those who have.

### Arrangements for In-country Study

All students are required to complete four consecutive semesters of study of Language and Culture before proceeding to In-country Study. There are different classes available for students according to their level of language proficiency.

The Institute for International Studies makes arrangements for students to spend two semesters of In-country Study at an institution of higher education in a country of their major. The costs of tuition in host institutions overseas and travel between Sydney and the designated host institutions are borne by UTS except in cases where a scholarship has been awarded to the student with provision for these costs. Under those circumstances, the funds that would have otherwise been allocated towards the student's tuition and travel will be redirected to support the In-country Study program in general. In most cases the cost of living for the period of In-country Study will not exceed the cost of living away from home in Sydney. However, students should be aware that the cost of living in some countries – notably Argentina, France, Germany, Hong Kong, Japan and Taiwan – may be higher than in Sydney.

### Course program

#### Year 1

16201	Drawing and Surveying 1	4cp
16111	Construction 1	8cp
16010	Construction Project 1	8cp
16901	Structures 1	6cp
16407	Building Communications	6cp
50140	Comparative Social Change (Autumn semester)	8cp
976xxx	Contemporary Society (Spring semester)	8cp

#### Year 2

16211	Computations, Mathematics and Statistics	6cp
16112	Construction 2	8cp
16543	Quantities	6cp
16301	Services 1	6cp
971xxx	Language and Culture 1	8cp
972xxx	Language and Culture 2	8cp
16725	Materials Science 1	6cp

#### Year 3

16202	Drawing and Surveying 2	6cp
16020	Construction Project 2	8cp
16902	Structures 2	6cp
16807	Introduction to Law	6cp
16531	Estimating 1	6cp
973xxx	Language and Culture 3	8cp
974xxx	Language and Culture 4	8cp

#### Year 4

977xxx	In-country Study 1 (Autumn semester)	24cp
978xxx	In-country Study 2 (Spring semester)	24cp

## Year 5

16515	Building Company Performance	6cp
16516	Development Appraisal	4cp
16726	Materials Science 2	6cp
16903	Structures 3	6cp
16030	Construction Project 3	8cp
16113	Construction 3	8cp
16302	Services 2	4cp
16808	Construction Law	6cp

## Year 6

16040	Construction Project 4	8cp
16131	Professional Practice	4cp
16221	Project	12cp
16114	Construction 4	8cp
xxxxx	Elective(s)	8cp
16532	Estimating 2	8cp

Further details of International Studies subjects may be found in the *Institute for International Studies Handbook*. Queries regarding the International Studies component of the course should be addressed to the Institute itself on (02) 9514 1574.

Combined degree students are required to confirm, during the University enrolment period, the subjects they intend to take for the year with the Institute at 10 Quay Street (opposite Her Majesty's Theatre).

## Bachelor of Land Economics/Bachelor of Arts in International Studies

- ◆ *Course code: AB08*
- ◆ *Testamur title: Bachelor of Land Economics Bachelor of Arts in International Studies*
- ◆ *Abbreviation: BLandEc BA*
- ◆ *Course fee: HECS*

The Bachelor of Land Economics/Bachelor of Arts in International Studies is a six-year degree which aims to produce broadly educated graduates prepared for careers in the property industry, and to equip students with an understanding of the legalities, principles and processes required in those professional careers. The combined degree program in Land Economics and International Studies will provide graduates not only with the necessary skills in those areas of expertise, but also develop perspectives and understandings that will enable them to meet the demands of an internationalised professional environment.

The course leads to the award of a Bachelor of Land Economics degree that is granted with Honours where a high standard has been

achieved. The degree, as awarded by UTS, is the professionally accepted qualification for employment as a land economist, valuer and real estate agent, on-site residential property manager, business agent and stock and station agent.

The combined degree program in Land Economics and International Studies provides students specialising in Land Economics with additional practical skills by providing the opportunity to acquire knowledge and understanding of a language and culture other than English.

### Course structure

To graduate a student is required to have completed 264 credit points: 168 credit points in Land Economics; and 96 credit points in International Studies.

The Bachelor of Arts in International Studies requires undergraduates to study a major – a region or country specialisation – over a minimum of three years. In Sydney students study Language and Culture for at least two years, followed by a period of study overseas. The following range of majors is available: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam. The Greece and Vietnam specialisations are only available to students with a sound working knowledge of the language of their selected specialisation.

Australia and the Asia-Pacific Region is available as a major to international students.

Each of the specialisations within the International Studies program is 96 credit points, and includes 32 credit points (four subjects) of instruction in Language and Culture; 8 credit points of study of Comparative Social Change; 8 credit points of study of Contemporary Society; and 48 credit points (two semesters) of study at an institution of higher education in a country of the major.

Those who have not previously studied a language and culture other than English are as able to complete this program as those who have.

### Arrangements for In-country Study

All students are required to complete four consecutive semesters of study of Language and Culture before proceeding to In-country Study. There are different classes available for students according to their level of language proficiency.

The Institute for International Studies makes arrangements for students to spend two semesters of In-country Study at an institution of higher education in a country of their major. The costs of tuition in host institutions overseas and travel between Sydney and the designated host institutions are borne by UTS except in cases where a scholarship has been awarded to the student with provision for these costs. Under those circumstances, the funds that would have otherwise been allocated towards the student's tuition and travel will be redirected to support the In-country Study program in general. In most cases the cost of living for the period of In-country Study will not exceed the cost of living away from home in Sydney. However, students should be aware that the cost of living in some countries – notably Argentina, France, Germany, Hong Kong, Japan and Taiwan – may be higher than in Sydney.

### Course program

#### Year 1

16163	Appraisal and Statistics	8cp
16150	Land Studies 1	8cp
16351	Introduction to Valuation	6cp
16361	Real Estate 1	6cp
50140	Comparative Social Change (Autumn semester)	8cp
976xxx	Contemporary Society (Spring semester)	8cp

#### Year 2

16551	Economics	8cp
16352	Valuation Methodology	8cp
16552	Financial and Trust Accounting	6cp
16851	Introduction to Law	6cp
16652	Environmental Design	4cp
16998	Land Economics experience	—
971xxx	Language and Culture 1	8cp
972xxx	Language and Culture 2	8cp

#### Year 3

16152	Land Studies 2	4cp
16153	Building Technology	6cp
16354	Rural Valuation	6cp
16553	Finance and Investment Analysis	8cp
16854	Real Estate Law	4cp
16651	Urban Planning	4cp
16998	Land Economics Experience	—

973xxx	Language and Culture 3	8cp
974xxx	Language and Culture 4	8cp

#### Year 4

977xxx	In-country Study 1	24cp
978xxx	In-country Study 2	24cp

#### Year 5

16155	Facility Evaluation	4cp
16355	Specialised Valuation Topics	8cp
16454	Investment and Portfolio Management	4cp
16453	Development Management and Maintenance	4cp
16456	Real Estate 2	8cp
16554	Urban Economics	8cp
16853	Planning and Environmental Law	4cp
16997	Land Economics Experience	—

#### Year 6

16353	Advanced Valuation Methods	8cp
16751	International Real Estate Investment	8cp
16356	Statutory Valuation and Litigation	4cp
16452	Land Studies 3	6cp
16961	Project	10cp
16997	Land Economics Experience	—

Further details of International Studies subjects may be found in the *Institute for International Studies Handbook*. Queries regarding the International Studies component of the course should be addressed to the Institute itself on (02) 9514 1574.

Combined degree students are required to confirm, during the University enrolment period, the subjects they intend to take for the year with the Institute at 10 Quay Street (opposite Her Majesty's Theatre).

# POSTGRADUATE COURSES

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## DESIGN

The Faculty offers courses at Graduate Certificate, Graduate Diploma and Master's by coursework levels.

### Regulations

These regulations are to be read in conjunction with the University's Rules and By-law, as outlined in the *UTS Calendar* and online at: [www.uts.edu.au/div/publications/policies/rules/contents.html](http://www.uts.edu.au/div/publications/policies/rules/contents.html).

### Awards and graduation

A student is deemed to have completed the educational requirements for an award when he or she has achieved:

- in the case of the Graduate Certificate in Design and Technology, 16 credit points from required core subjects and 8 credit points from elective subjects;
- in the case of the Graduate Diploma in Design, 16 credit points from required core subjects and 32 credit points from recommended and elective subjects;
- in the case of the Master of Design (by coursework), 24 credit points from required core subjects, 24 credit points from recommended and elective subjects, and 24 credit points from an approved project and has submitted in the required format, two copies of a record of his or her project work.

### Assessment

The assessment period is one semester.

### Credit point system

Each subject offered for credit toward an award has a credit-point value which reflects the effort normally required to complete the subject's study and other work and which provides the basis for the subject's weighting factor. The minimum number of credit points for which a student can be enrolled in a semester is:

- in the case of the Graduate Certificate in Design and Technology, 8 credit points;
- in the case of the Graduate Diploma in Design, 8 credit points;

- in the case of the Master of Design (by coursework), 8 credit points.

The maximum number of credit points for which a student can be enrolled in a semester is:

- in the case of the Graduate Certificate in Design and Technology, 24 credit points;
- in the case of the Graduate Diploma in Design, 32 credit points;
- in the case of the Master of Design (by coursework), 32 credit points.

### Major Project

Two copies of a full documentary record of a candidate's major project shall be submitted in the approved format, available from the Director of Program.

## Graduate Certificate in Design and Technology

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- ◆ *Course code: D059*
  - ◆ *Testamur title: Graduate Certificate in Design and Technology*
  - ◆ *Abbreviation: none*
  - ◆ *Course fee: \$5,040*
- 

This is a part-time, full-fee-paying course of one year's duration.

### Aim

This course is a response to the needs of school teachers who are undertaking the new curricula in the areas of Design and Technology for classes in Years 7 to 10. The course offers a broad awareness of design and technology in a social and environmental context, as well as design knowledge and skills essential for school teachers whose previous training has not equipped them for the introduction of design methodologies, processes and practical experiences, which are integral to the new curricula. The course is also of value to those who may not be teachers and do not have previous academic qualifications, yet have an interest in the methods and application of the processes of professional design practice.

## Qualifications for admission

To qualify for entry to the Graduate Certificate in Design and Technology an applicant shall hold a Bachelor's degree, diploma or equivalent qualification in an appropriate area and have relevant teaching experience, or submit other evidence of general and professional qualifications which indicates that the applicant possesses the educational preparation and capacity to pursue graduate studies.

## Requirements

To qualify for the Graduate Certificate in Design and Technology, a student must achieve 24 credit points in not less than one semester of study.

Each subject has a value of four credit points. Sixteen credit points must be achieved from the core subjects; the remaining eight credit points can be achieved from elective postgraduate subjects.

## Course program

### Core studies

Students must complete core subjects to the value of 16 credit points.

### Autumn semester

89919	Design and Technology <sup>1</sup>	4cp
	<i>or</i>	
89914	Design Practice 1 <sup>2</sup>	4cp
89912	Design Case Studies 1 <sup>1</sup>	4cp

### Spring semester

89920	Design and Technology 2 <sup>1</sup>	4cp
	<i>or</i>	
89012	Design Practice 2 <sup>2</sup>	4cp
89013	Design Case Studies 2 <sup>1</sup>	4cp

<sup>1</sup> Core subject.

<sup>2</sup> Alternative core subject.

## Electives

The remaining eight credit points can be achieved by choosing from the following elective postgraduate subjects:

81020	Management Techniques and Design	4cp
81920	Marketing and Design	4cp
81025	Design History	4cp
82902	Sociology of Design	4cp
82009	Human Factors and Design	4cp
82915	Photography for Designers	4cp
82016	Graphic Visualisation	4cp

## Basic computer elective subjects

81923	Introduction to Design Computing	4cp
81022	Desktop Publishing	4cp
81024	Computer Graphics 1	4cp
81924	Computer Graphics 2	4cp
81031	Web Design	4cp
81922	Computer Aided Design	4cp

Note: As elective subjects are offered in response to demand, not all subjects are available each semester.

## Graduate Diploma in Design

- ◆ *Course code: D052*
- ◆ *Testamur title: Graduate Diploma in Design*
- ◆ *Abbreviation: GradDipDesign*
- ◆ *Course fee: \$10,080*

This is a one-year full-time or two-year part-time postgraduate course.

## Aim

The course examines the nature and processes of design, the roles and responsibilities of designers and their profession, and the impact of design on society. It is particularly suited to graduates working in association with designers or managing design-based processes, as well as designers who wish to upgrade their skills and those concerned with teaching design. In consequence, the course aims to provide a useful understanding of design and the methods and values of designers.

## Qualifications for admission

Applicants are normally expected to possess a Bachelor's degree or an equivalent qualification in an appropriate area, or be able to submit other evidence of general and professional experience which will indicate that the applicant possesses the educational preparation and capacity to pursue graduate studies.

## Requirements

To qualify for the Graduate Diploma in Design, a student must achieve 48 credit points in not fewer than two semesters of part-time study. Sixteen credit points must be achieved from the core subjects. The remaining 32 credit points must be achieved from recommended and elective subjects.

## Course program

Students must complete core subjects to the value of 16 credit points.

### Autumn semester

89912	Design Case Studies 1	4cp
89914	Design Practice 1	4cp

### Spring semester

89013	Design Case Studies 2	4cp
89012	Design Practice 2	4cp

12 credit points should be achieved from the following recommended subjects:

81020	Management Techniques and Design	4cp
81920	Marketing and Design	4cp
81025	Design History	4cp

### Electives

Students must complete elective subjects to the value of 20 credit points, drawn from the following areas:

82902	Sociology of Design	4cp
82009	Human Factors and Design	4cp
82915	Photography for Designers	4cp
82016	Graphic Visualisation	4cp

### Basic computer elective subjects

81923	Introduction to Design Computing	4cp
81022	Desktop Publishing	4cp
81024	Computer Graphics 1	4cp
81924	Computer Graphics 2	4cp
81031	Web Design	4cp
81922	Computer-Aided Design	4cp

### Advanced computer elective subjects

81032	Internet Design	4cp
81840	Advanced CAD	4cp
81925	Computer Animation 1	4cp
81030	Computer Animation 2	4cp
81033	Multimedia 1	4cp
81034	Multimedia 2	4cp
81035	Digital Print Media 1	4cp
81036	Digital Print Media 2	4cp

**Note:** As elective subjects are offered in response to demand, not all subjects are available each semester.

## Master of Design (by coursework)

- ◆ *Course code:* D051
- ◆ *Testamur title:* Master of Design
- ◆ *Abbreviation:* MDesign
- ◆ *Course fee:* \$15,120

The Master of Design is a one-and-a-half-year full-time or three-year part-time postgraduate course.

### Aim

This course provides practising graduates of design with an opportunity to achieve a Master's degree by a combination of coursework and project work. Coursework areas include the management and marketing of design, the technological and social implications of design, design decision-making, design research methods, computer-aided design and the history of design.

Project work is undertaken in the third year of the course and provides an opportunity for the student to explore an area of particular interest or professional benefit.

### Qualifications for admission

To be accepted for admission to the Master of Design (by coursework) an applicant would normally be required to possess a recognised four-year degree (or equivalent) in an appropriate area of design, and have completed not less than two years of appropriate professional experience since graduation.

In exceptional circumstances, applicants who do not meet these criteria may be considered for entry by the Postgraduate Committee on the basis of their previous professional and academic experience.

### Requirements

To qualify for the Master of Design (by coursework) a student must achieve 72 credit points in not fewer than three semesters of study. Twenty-four credit points must be achieved from the project i.e. by two semesters' successful work on an approved project program. Twenty-four credit points must be achieved from the core coursework subjects. The remaining 24 credit points must be achieved from an approved program of recommended and elective coursework subjects.

Each student is assisted by the Director of Postgraduate Design Program to develop a pattern of study best suited to their needs, made up of coursework and project work.



## Course program

### Core studies

Students must complete core subjects to the value of 24 credit points.

82901	Psychology of Design	4cp
82903	Technological Change	4cp
82905	Research Methods	4cp
82917	Information Retrieval	4cp
82918	Design Ethics	4cp
82919	Sustainable Design	4cp

### Project

Design Project is a program of an individual supervised research and/or design activity undertaken by each student, leading to the submission for assessment of an original body of work. A design project normally consists of four elements or phases – research, development, evaluation, and report.

Students must complete the project value of 24 credit points over two semesters part-time, or one semester full-time.

89917	Design Project (P/T)	12cp
89918	Design Project (F/T)	24cp

12 credit points should be achieved from the following recommended subjects:

81020	Management Techniques and Design	4cp
81920	Marketing and Design	4cp
81025	Design History	4cp

The remaining 12 credit points can be achieved from elective postgraduate subjects:

### Elective subjects

82902	Sociology of Design	4cp
82009	Human Factors and Design	4cp

### Computer elective subjects

81024	Computer Graphics 1	4cp
81924	Computer Graphics 2	4cp
81031	Web Design	4cp
81922	Computer-Aided Design	4cp

### Advanced computer elective subjects

81032	Internet Design	4cp
81840	Advanced CAD	4cp
81925	Computer Animation 1	4cp
81030	Computer Animation 2	4cp
81033	Multimedia 1	4cp
81034	Multimedia 2	4cp
81035	Digital Print Media 1	4cp
81036	Digital Print Media 2	4cp

**Note:** As elective subjects are offered in response to demand, not all subjects are available each semester.

## ARCHITECTURE

While a Master of Architecture degree by coursework is available, it is run in parallel with the final two years (Years 5 and 6) of the combined BA (Arch) and BArch program. See page 41 for details.

## BUILDING STUDIES

The Faculty's coursework postgraduate programs feature flexible and innovative attendance patterns, designed to suit busy practising professionals.

Attendance patterns range from part-time evening classes to full-time attendance of separate week-long or equivalent sessions (i.e. attendance over five consecutive days or two-and-a-half days on a given week, two-and-a-half days on another). This permits students to tailor study to their professional and personal lives and allows those living in the country, interstate or overseas to participate. Specific attendance dates are available from the Faculty Office.

### Regulations

These regulations shall be read in conjunction with the University's Rules and By-law, as indicated in the *UTS Calendar* and published online at:

[www.uts.edu.au/div/publications/policies/rules/contents.html](http://www.uts.edu.au/div/publications/policies/rules/contents.html)

### Graded awards in Graduate Diploma courses

Graded awards in Graduate Diploma courses (except for the Graduate Diploma in Planning) may be recommended by the Faculty Board for meritorious performance. Any such award is entirely within the discretion of the Faculty Board and the numeric calculation of level of performance is only one of the matters taken into consideration. The Faculty Board would not normally consider for graded awards any student who has not obtained the following numeric levels on the basis of a weighted average mark over the whole of the course:

75 and above – with distinction

65 to less than 75 – with credit

### Discontinuation of registration

The registration of a Graduate Certificate/Diploma or Master's candidate may be discontinued if the Faculty Board is dissatisfied with his or her progress.

Faculty Board may deem unsatisfactory progress to include the following:

1. failure in any two subjects;
2. failure in a subject twice.

## Graduate Certificate in Urban Estate Management

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- ◆ *Course code: AB64*
  - ◆ *Testamur title: Graduate Certificate in Urban Estate Management*
  - ◆ *Abbreviation: none*
  - ◆ *Course fee: \$5,400*
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## Graduate Diploma in Urban Estate Management

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- ◆ *Course code: AB52*
  - ◆ *Testamur title: Graduate Diploma in Urban Estate Management*
  - ◆ *Abbreviation: GradDipUEstM*
  - ◆ *Course fee: \$10,800*
- 

## Master of Business Administration (Urban Estate Management Major)

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- ◆ *Course code: B068*
  - ◆ *Testamur title: Master of Business Administration*
  - ◆ *Abbreviation: MBA*
  - ◆ *Course fee: \$1,400 per six credit point subject*
- 

### Aims

Property is an exciting and challenging field that has become increasingly complex and professional over the last 20 years. The Urban Estate Management program is designed to provide

- valuers, real estate practitioners, property managers and other property practitioners with opportunities to enhance and extend their qualifications and expertise in the field;
- graduates in other fields such as architects, builders, planners, engineers, quantity surveyors, lawyers, project managers, economists and financiers with the opportunity to extend their professional qualifications and their understanding of property development and investment issues and techniques.

Expected outcomes of the program for students are as follows:

- understanding of the social, environmental, political, economic, managerial, legal and physical systems which contribute collectively to the effective management and development of property assets;
- ability to initiate and/or create proposals for the development of property and, as part of this process, satisfy economic, social, financial, legal, planning and building constraints;
- ability to determine the needs of the client organisation;
- ability to establish an appropriate management structure, in order to allow the development to be completed as efficiently as possible;
- ability to monitor the development process ensuring that all consultants, the project manager and contractors satisfy the client needs;
- ability to estimate the social costs and benefits of development and, with community acceptance of this ability, to manage a property investment portfolio in order to provide an adequate return to the owner;
- ability to satisfy the needs of tenants;
- ability to protect, maintain, develop and enhance the urban environment;
- development of a keen appreciation of the professional ethic which emphasises responsibility and responsiveness to the community to initiate and/or create proposals for the development of property.

### Qualifications for admission

To qualify for entry to the Graduate Diploma in Urban Estate Management an applicant shall hold a Bachelor's degree or a Diploma in Technology; or possess an equivalent qualification; or submit other evidence of general and professional qualifications which demonstrate the applicant's educational preparation and capacity to pursue graduate studies.

The Graduate Certificate in Urban Estate Management is for applicants who have good practical experience but may lack the professional qualifications or academic entry requirements for the Diploma. Applicants will be assessed on their individual merits. On completion of the Certificate, articulation with the Graduate Diploma in Urban Estate Management or the Master of Land Economics is possible.

For both the Certificate and Diploma programs, all non-degree qualified applicants seeking admission are required to satisfy a Faculty panel that their experience is equal to the rigorous requirements of the course at whichever level they seek to enter.

New applicants will be considered for entry to the program in both Autumn and Spring semesters.

## Requirements

The Graduate Diploma in Urban Estate Management is a two-year part-time or one-year full-time course. Students must achieve 48 credit points from the subjects listed below. There are opportunities for additional study leading to the awards of Master of Land Economics or a Master of Project Management.

The Graduate Certificate in Urban Estate Management is a one-year part-time, full-fee-paying course. Students must achieve 24 credit points selected from the subjects listed below which are shared with the diploma program.

All subjects are provided by the Faculty. Not all subjects will be offered in each year and availability will depend upon viable subject enrolments.

## Course program

12511	Building Technology and Regulation	6cp
12518	Property Transactions	6cp
17701	Environment and Control <sup>3</sup>	6cp
12525	Property Analysis 1	6cp
12535	Property Analysis 2	6cp
12515	Property Life Cycle	6cp
12524	Property Development	4cp
125240	Property Development (Extended)	6cp
12543	Property Development Project	4cp
125430	Property Development Project (Extended)	6cp
17517	Research Methodology <sup>3</sup>	4cp
12550	UEM Project	6cp
17507	Industry Project Studies 1 <sup>2</sup>	12cp
17508	Industry Project Studies 2 <sup>2</sup>	12cp
17120	Heritage and Development	4cp
171200	Heritage and Development (Extended)	6cp
—	Elective(s)	maximum 12cp
17704	Advanced Property Finance <sup>1,3</sup>	6cp
xxxxx	Environmentally Sustainable Development <sup>4</sup>	6cp

<sup>1</sup> Subjects offered by Master of Land Economics.

<sup>2</sup> Subjects shared with Master of Project Management. These subjects will only be credited towards a Graduate Certificate in Urban Estate Management if the projects selected are property related.

<sup>3</sup> Subjects which must be taken if students wish to progress to the Master of Land Economics.

<sup>4</sup> Subject to course approval.

## MBA (Urban Estate Management Major)

### Business Administration Core

28701	Business and the Changing Environment	6cp
21813	Managing People	6cp
25706	Economics for Management	6cp
22747	Accounting for Managerial Decisions	6cp
24734	Managerial Marketing	6cp
25742	Financial Management	6cp
21720	Employment Relations	6cp
21715	Strategic Management	6cp

### Urban Estate Management Specialisation

17701	Environment and Control	6cp
12511	Building Technology and Regulation	6cp
12525	Property Analysis 1	6cp
12518	Property Transactions	6cp
12535	Property Analysis 2	6cp
12515	Property Life Cycle	6cp
12524	Property Development	6cp
17120	Heritage and Development	6cp

## Graduate Diploma in Building Surveying and Assessment

- ◆ *Course code: AB57*
- ◆ *Testamur title: Graduate Diploma in Building Surveying and Assessment*
- ◆ *Abbreviation: GradDipBuildSurvAssess*
- ◆ *Course fee: \$9,600*

## Aims

The aims of this two-year part-time course are to enable students to lead, coordinate and/or participate in the Local Government approvals process as multiskilled professional building surveyors/certifiers, and to assess buildings on behalf of owners as an extension of building surveying to private enterprise beyond that of certification. To this end, graduates of the course will be competent in the following roles:

- multiskilled surveyors and facilitators within multidisciplinary groups engaged in the assessment and approval of urban projects on behalf of the community, through local government;
- professional building surveyors engaged in the certification of complexes for compliance with both performance and prescriptive-based criteria as specified in the Building Code of Australia;

- in presenting sound arguments which are cognisant of the social, legal, technical, safety, health and environmental issues, and are properly assessed and evaluated in any approval, study, assessment or certification;
- in presenting comprehensive evidence before a Board of Referees or a Court as a professional expert witness.

The graduates of this course are intended to make a major contribution to the industry as well as the community as more informed professionals returning to their own disciplines, as building surveyors at senior levels in local government, or as consultant building surveyors involved in certification or assessing building performance for owners, users and investors.

### Qualifications for admission

To qualify for entry an applicant should hold a Bachelor's degree or a Diploma in Technology, or an equivalent qualification and have substantial relevant experience, or submit such other evidence that demonstrates the applicant's capacity to pursue graduate studies.

Applicants will be expected to be competent in the areas of Building Technology and Engineering Fundamentals prior to starting the course. Further information on this can be obtained from the Course Director.

### Requirements

The Graduate Diploma in Building Surveying and Assessment requires the completion of eight six-credit-point subjects totalling 48 credit points. The course is undertaken by attendance at eight week-long (or equivalent) sessions over two years.

The course is divided into two blocks each containing four six-credit-point subjects. Only one block of four subjects will run each year. Block 1 is to be offered in 2000.

### Course program

#### Block 1 (2000)

12170	Building Assessment	6cp
17711	Fire Dynamics 1	6cp
12115	Building Science and Environmental Factors	6cp
17710	Special Issues	6cp
	<i>or</i>	
17712	Fire Dynamics 2	6cp

#### Block 2 (2001)

17713	Human Behaviour in Fire	6cp
—	Elective subject	6cp
	<i>or</i>	
17714	Fire Safety Systems	6cp
17707	Performance-based Certification	6cp
17708	Natural Disasters and Risk Management	6cp

## Master of Building Surveying (Fire)

- ◆ *Course code:* AB71
- ◆ *Testamur title:* Master of Building Surveying
- ◆ *Abbreviation:* MBuildSurv
- ◆ *Course fee:* \$14,400

### Aims

The aim of this three-year part-time program is to enable students to lead and participate in the process of assessing the fire safety performance of buildings and to be competent in the overall assessment of a building's performance in accordance with the Building Code of Australia. The course provides detailed instruction in fire dynamics, human behaviour in fire, fire safety science and fire safety systems as well as broader instruction in related building assessment issues. Students in this course will also be given instruction in, and be expected to apply, research methodology necessary to more fully examine issues related to building assessment.

At the conclusion of the course graduates should be able to:

- Carry out detailed assessments of fire engineered designs prepared by others.
- Prepare fire engineered designs for buildings amenable to the application of standard fire engineering software packages.
- Provide strategic advice to clients at design stage on fire safety aspects.
- Analyse and advise on alternate fire safety solutions.
- Determine requirements for fire upgrading of existing buildings.
- Work closely with other professionals and authorities in revising/reviewing fire safety guidelines.
- Function as a principal consultant in the overall assessment of a building's performance.

As well as being technically competent in the above students should be able to communicate their advice in a logical and coherent manner and be capable of defending their views in cases of litigation.

### Qualifications for admission

To qualify for entry an applicant should hold a Bachelor's degree or a Diploma in Technology (or an equivalent qualification) and have substantial relevant experience, or submit such other evidence that demonstrates the applicant's capacity to pursue graduate studies. Applicants will be expected to be competent in the areas of Building Technology and Engineering Fundamentals prior to starting the course. Further information on this can be obtained from the Course Director.

Students who have or are completing the Graduate Diploma in Building Surveying and Assessment will be given advanced standing into the course, and credit will be given for subjects completed in that course which form part of the Master's program.

### Requirements

The Master of Building Surveying (Fire) requires the completion of eight six-credit-point subjects plus a 24 credit point research project. The course is undertaken over three years part-time with lecture-based subjects in the first two years. Lectures are delivered in a block mode with four one-week long sessions per year. Only one block of four subjects will run each year.

### Course program

#### Block 1 (2000)

12170	Building Assessment	6cp
12115	Building Science and Environmental Factors	6cp
17711	Fire Dynamics 1	6cp
17712	Fire Dynamics 2	6cp

#### Block 2 (2001)

17713	Human Behaviour in Fire	6cp
17714	Fire Safety Systems	6cp
17708	Natural Disasters and Risk Management	6cp
17707	Performance-based Certification	6cp

#### Block 3 (2002)

17715	Research Project	24cp
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## Graduate Certificate in Building Performance

- ◆ *Course code:* AB62
- ◆ *Testamur title:* Graduate Certificate in Building Performance
- ◆ *Abbreviation:* none
- ◆ *Course fee:* \$4,800

### Aims

The aims of this one-year part-time, full-fee-paying course are as follows:

- to provide an alternative entrance path for students wishing to enter the Graduate Diploma in Building Surveying and Assessment course who do not meet the entrance requirement (students who successfully complete this course may enter the Graduate Diploma in Building Surveying and Assessment course with advanced standing); and
- to provide an avenue for students to gain expertise in the area of building performance assessment.

Graduates of this course will have the following:

- an understanding of the building surveying certification process with particular reference to performance-based certification.
- a detailed knowledge of the effect of fire on buildings, a knowledge of building regulations related to fire and how to prevent or minimise fire-related damage;
- a detailed knowledge of how to assess the condition of the structure and a detailed knowledge of the environmental performance of buildings;

### Qualifications for admission

To qualify for entry an applicant should hold a Bachelor's degree or a Diploma in Technology, or a tertiary qualification in a related field with at least three years' relevant experience and a demonstrated capacity to pursue graduate studies.

### Requirements

The Graduate Certificate in Building Performance requires the completion of four six-credit-point subjects totalling 24 credit points. The course is undertaken by attendance at four week-long (or equivalent) sessions over one year.

## Course program

17711	Fire Dynamics 1	6cp
12170	Building Assessment	6cp
12115	Building Science and Environmental Factors	6cp
17707	Performance-based Certification	6cp

## Graduate Certificate in Building Regulations

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- ◆ *Course code: AB63*
  - ◆ *Testamur title: Graduate Certificate in Building Regulations*
  - ◆ *Abbreviation: none*
  - ◆ *Course fee: \$4,800*
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### Aims

The aims of this one-year part-time, full-fee-paying course are as follows:

- to provide an alternative entrance path for students wishing to enter the Graduate Diploma in Building Surveying and Assessment course who do not meet the entrance requirements (students who successfully complete this course may enter the Graduate Diploma in Building Surveying and Assessment course with advanced standing); and
- to provide an avenue for students to gain expertise in the area of building regulations.

Graduates of this course will have the following:

- an understanding of the legal framework of regulations;
- an understanding of the planning process as it relates to building surveying;
- an understanding of the building surveying certification process with particular reference to performance-based certification;
- an understanding of the possible causes of damage to buildings, how to calculate the risks involved and how to manage them.

### Qualifications for admission

To qualify for entry an applicant should hold a Bachelor's degree or a Diploma in Technology, or a tertiary qualification in a related field with at least three years' relevant experience and a demonstrated capacity to pursue graduate studies.

## Requirements

The Graduate Certificate in Building Regulations requires the completion of four six-credit-point subjects totalling 24 credit points. The course is undertaken by attendance at four week-long (or equivalent) sessions over one year.

This course will not run in the year 2000, but will be offered in 2001.

## Course program

17713	Human Behaviour in Fire	6cp
—	Elective subject	6cp
	<i>or</i>	
17714	Fire Safety Systems	6cp
17707	Performance-based Certification	6cp
17708	Natural Disasters and Risk Management	6cp

## Master of Planning

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- ◆ *Course code: AB56*
  - ◆ *Testamur title: Master of Planning*
  - ◆ *Abbreviation: MPlan*
  - ◆ *Course fee: \$15,120*
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## Graduate Diploma in Planning

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- ◆ *Course code: AB55*
  - ◆ *Testamur title: Graduate Diploma in Planning*
  - ◆ *Abbreviation: GradDipPlan*
  - ◆ *Course fee: \$10,080*
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## Graduate Certificate in Planning

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- ◆ *Course code: AB60*
  - ◆ *Testamur title: Graduate Certificate in Planning*
  - ◆ *Abbreviation: none*
  - ◆ *Course fee: \$5,040*
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The Planning program is designed to meet the needs of professionals in the many different aspects of urban development, including planners, architects, engineers, social planners, lawyers, managers, and those involved in finance, investment and development.

The Graduate Certificate in Planning is offered as a one-year, part-time terminating course, articulating into the second year of the Graduate Diploma in Planning.

The Graduate Diploma in Planning is offered as a two-year, part-time terminating course. The Master of Planning is offered as a two-year full-time or three-year part-time course. Students enrolled part-time complete the Graduate Diploma in the first two years.

The Master of Planning degree has been accredited by the Royal Australian Planning Institute, and meets the educational requirements for corporate membership of the Institute.

### Aims

The program focuses on the processes by which development takes place, and seeks to improve the quality of the physical planning and development control which form an integral part of those processes. The course covers the following topics: the major social and environmental issues of the cities and regions; the economics and the practicalities of how development takes place; the processes of statutory planning and development control as subjects of academic inquiry, and capable of much higher levels of performance; and planning decisions and their influence on costs, function, feasibility, building form and aesthetics. The course adopts an integrated, skills-based educational approach and provides practical experience of innovative planning techniques.

The aims of the course can best be met if a significant component emulates planning practice. This is feasible if the students have had relevant work experience since gaining an appropriate first degree, if they work in a related area, and if the attendance pattern provides for periods of intensive interaction in lectures, seminars and group project work.

The course has been structured around the core subjects, Planning 1A, 1B, 2A and 2B. These subjects consist primarily of a continuing planning project. The other subjects have been structured to provide knowledge, context, concepts and techniques which can be applied in the project work.

### Qualifications for admission

To be eligible for entry an applicant should possess an appropriate first degree and at least three years' relevant experience. Appropriate first degrees would include a Bachelor's degree in planning, architecture, geography, economics, land economics, commerce, law, engineering and building. Other qualifications may be accepted if supported by extensive relevant work experience. Work experience is relevant if it includes the holding of a responsible position related to the planning or administration of land, or the design, financing, regulation, construction or management of buildings or infrastructure.

### Requirements

The Graduate Certificate in Planning requires the completion of subjects totalling 24 credit points, by attending four week-long sessions over one year.

The Graduate Diploma in Planning requires the completion of subjects totalling 48 credit points, by attending eight week-long sessions over two years.

The Master of Planning requires the completion of 72 credit points. In the three-year part-time program students attend 10 week-long sessions in the first two-and-a-half years and the equivalent of two weeks in the last half year. Full-time students attend four week-long sessions in each year of the two years of the program in conjunction with part-time students. Between attendance weeks they attend additional classes and seminars.

### Course program

#### Part-time

Year 1: Graduate Certificate, Graduate Diploma and Master's degree

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#### Semester 1

17800	Planning 1A	6cp
17805	Urban Analysis	4cp
59336	Politics and Planning <sup>1</sup>	2cp

#### Semester 2

17801	Planning 1B	6cp
17804	Sustainable Development	6cp

Year 2: Graduate Diploma and Master's degree

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#### Semester 1

17802	Planning 2A	6cp
17807	Urban Design and Management	4cp
59338	Sociology and Planning <sup>1</sup>	2cp

**Semester 2**

17803	Planning 2B	6cp
17806	Urban Economics and Infrastructure	6cp

**Year 3: Master's degree****Semester 1**

17808	Specific Issues in Planning	6cp
17810	Graduate Project 1 (P/T)	6cp

**Semester 2**

17811	Graduate Project 2 (P/T)	12cp
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**Full-time Master of Planning****Year 1****Semester 1**

17800	Planning 1A	6cp
17805	Urban Analysis	4cp
59336	Politics and Planning <sup>1</sup>	2cp
17808	Specific Issues in Planning	6cp

**Semester 2**

17801	Planning 1B	6cp
17804	Sustainable Development	6cp
17809	Graduate Project (F/T)	6cp

**Year 2****Semester 1**

17802	Planning 2A	6cp
17807	Urban Design and Management	4cp
59338	Sociology and Planning <sup>1</sup>	2cp
17809	Graduate Project (F/T)	6cp

**Semester 2**

17803	Planning 2B	6cp
17806	Urban Economics and Infrastructure	6cp
17809	Graduate Project (F/T)	6cp

<sup>1</sup> These subjects alternate with each other in successive years.

**Master of Project Management**

- ◆ *Course code: AB53*
- ◆ *Testamur title: Master of Project Management*
- ◆ *Abbreviation: MPM*
- ◆ *Course fee: \$16,200*

**Master of Business Administration (Project Management Major)**

- ◆ *Course code: B068*
- ◆ *Testamur title: Master of Business Administration*
- ◆ *Abbreviation: MBA*
- ◆ *Course fee: \$1,400 per six credit point subject*

(in conjunction with the Faculty of Business)

**Graduate Diploma in Project Management**

- ◆ *Course code: AB65*
- ◆ *Testamur title: Graduate Diploma in Project Management*
- ◆ *Abbreviation: GradDipPM*
- ◆ *Course fee: \$10,800*

**Graduate Certificate in Project Management**

- ◆ *Course code: AB66*
- ◆ *Testamur title: Graduate Certificate in Project Management*
- ◆ *Abbreviation: none*
- ◆ *Course fee: \$5,400*

The Project Management program is designed for graduates and experienced professionals who want to upgrade their qualifications and skills to service clients better and keep pace with employer expectations and industry change. Project management attracts people with in-depth experience in many different fields and disciplines and is ideal for those seeking new or wider horizons of career opportunity.

The program provides a comprehensive grounding in both the underlying principles and practical aspects of project management and addresses the Australian National Competency Standards for Project Management and PMBOK Guide.



Delivered through coursework, distance and workplace learning, the courses in the program focus on the project life cycle and key project management functions. Students also have opportunities to focus on specific project types and industries such as product development, IT, building and construction or organisational change.

## Aims

The aims of the Project Management program are to develop practitioners who have the following skills and abilities:

- who can understand and apply project management principles and techniques;
- lead a group of specialist professionals engaged in the overall management, planning and control of projects across a wide range of industries and technologies;
- appreciate the roles and utilise the services of specialist consultants and contractors used in the project delivery process;
- communicate effectively, and at all levels;
- lead and motivate individuals and project teams;
- make decisions and/or policies and/or solutions on the basis of either complete or incomplete information;
- identify options and utilise the benefits of circumstance or unexpected opportunity;
- establish clear guidelines for complex tasks/situations and facilitate completion no matter what problems arise;
- satisfy economic, social, financial, legal, environmental and similar requirements;
- work within all corporate, production, organisational and/or technological constraints;
- evaluate the social impact, cost and benefits of the project and accurately assess community acceptance or otherwise;
- evaluate completed projects and ensure information about lessons learnt is available for improvement of future projects and processes.

## Qualifications for admission

To qualify for entry to either the Master in Project Management or the Graduate Diploma in Project Management an applicant shall hold a Bachelor's degree or an equivalent qualification, or submit such other evidence of general and professional qualifications which demonstrate the applicant's educational preparation and capacity to pursue graduate studies at the desired level. A minimum of five years' work experience is expected.

To qualify for entry to the Graduate Certificate in Project Management an applicant shall hold a Bachelor's degree or a Diploma in Technology or an equivalent qualification, or submit other evidence of general and professional qualifications such that it demonstrates the applicant's educational preparation and capacity to pursue graduate studies at the desired level.

It is usual for graduates from whatever discipline to be accepted for enrolment. It should also be noted that the function of project management itself is such that substantial work experience can provide a sound basis for formal study. The Project Management program is thus designed for professional project managers who wish to build on their knowledge base but who may lack degree or Diploma of Technology qualifications. Thus, all non-degree-qualified applicants must satisfy a Faculty interview panel that their practical experience is equal to the requirements of the course at the level they seek to enter.

Articulation from the Graduate Certificate to the Graduate Diploma and Master in Project Management will be allowed for Certificate students with the approval of the Director of Program.

Graduates of the Graduate Diploma in Urban Estate Management enrolling in the Master of Project Management, would be entitled to exemptions of up to 36 credit points plus credit up to an additional 12 credit points for credit points gained in the Graduate Diploma in Urban Estate Management in subjects from the Master of Project Management as electives, or in subjects shared by the Urban Estate Management and Project Management programs.

All students are expected to be proficient in English comprehension and expression. Applicants previously educated in a language other than English may be required to undertake an assessment as approved by the Academic Board.

## Requirements

The program structure allows students a choice of entry requirements and study paths leading to the award of Graduate Certificate (24 credit points), Graduate Diploma (48 credit points), Master of Project Management (72 credit points), and Master of Business Administration (Project Management Major) (96 credit points). Each stage is self contained and can be undertaken through part-time or full-time study.

## Course programs

### Master of Project Management

#### Recommended part-time program

##### Year 1

17111	Project Integration <sup>3</sup>	6cp
17112	Project Scope	3cp
17113	Project Time	3cp
17114	Project Cost	3cp
17115	Project Quality	3cp
17116	Project Human Resources	3cp
17117	Project Communications	3cp
17118	Project Risk	3cp
17119	Project Procurement	3cp
<i>or</i>		
17211	Project Integration (RCC)	3cp*
17212	Project Scope (RCC)	1.5cp
17213	Project Time (RCC)	1.5cp
17214	Project Cost (RCC)	1.5cp
17215	Project Quality (RCC)	1.5cp
17216	Project Human Resources (RCC)	1.5cp
17217	Project Communications (RCC)	1.5cp
17218	Project Risk (RCC)	1.5cp
17219	Project Procurement (RCC)	1.5cp

Note: For further information on RCC subjects see under Graduate Certificate in Project Management.

##### Year 2

17105	Industry-Specific Project Process 1	6cp
17205	Industry-Specific Project Process 2	6cp
17305	Project Technologies 1	6cp
17405	Project Technologies 2	6cp

##### Year 3

17600	Graduate Project (MPM) P/T	14cp
17506	Industry-Specific Project Process 3	6cp
17517	Research Methodology	4cp

#### Recommended full-time program

##### Year 1

17111	Project Integration <sup>3</sup>	6cp
17112	Project Scope	3cp
17113	Project Time	3cp

17114	Project Cost	3cp
17115	Project Quality	3cp
17116	Project Human Resources	3cp
17117	Project Communications	3cp
17118	Project Risk	3cp
17119	Project Procurement	3cp
17517	Research Methodology	4cp
17601	Graduate Project (MPM) F/T	7cp
<i>or</i>		
17211	Project Integration (RCC)	3cp*
17212	Project Scope (RCC)	1.5cp
17213	Project Time (RCC)	1.5cp
17214	Project Cost (RCC)	1.5cp
17215	Project Quality (RCC)	1.5cp
17216	Project Human Resources (RCC)	1.5cp
17217	Project Communications (RCC)	1.5cp
17218	Project Risk (RCC)	1.5cp
17219	Project Procurement (RCC)	1.5cp

Note: For further information on RCC subjects see under Graduate Certificate in Project Management.

##### Year 2

17105	Industry-Specific Project Process 1	6cp
17205	Industry-Specific Project Process 2	6cp
17305	Project Technologies 1	6cp
17405	Project Technologies 2	6cp
17601	Graduate Project (MPM) F/T	7cp
—	Elective(s)	6cp

#### Notes:

- Suitably qualified applicants may, with the approval of the Director of Program, substitute 17507 Industry Project Studies 1 12cp, 17508 Industry Project Studies 2 12cp, 17509 Industry Project Studies 3 12cp or Electives (12cp maximum) for up to 36 credit points of subjects listed in the recommended full- and part-time programs except the subjects 17111 to 17119, 17211 to 17219 and 17600 or 17601 Graduate Project which are core subjects for the Master's program. The Industry Project Studies subjects are intended as individual or group work based action learning or research projects.
- 17111 or 17211 Project Integration plus a minimum of six of the project competency subjects are required for award of a Graduate Certificate. Evidence of competence in any units/project competency subjects not taken would be required as a prerequisite for award of a Graduate Certificate.
- 17517 Research Methodology or an equivalent Research Methods subject approved by the Director of Program is a corequisite for enrolment in 17600 and 17601 Graduate Project.
- 17600 or 17601 Graduate Project (MPM) is required for graduation at Master's level unless an exemption from the subject is granted by the Director of Program.
- Other program variations will be permitted with approval of the Director of Program.

**MBA (Project Management)****Business Administration Core**

28701	Business and the Changing Environment	6cp
21813	Managing People	6cp
25706	Economics for Management	6cp
22747	Accounting for Managerial Decisions	6cp
24734	Managerial Marketing	6cp
25742	Financial Management	6cp
21720	Employment Relations	6cp
21715	Strategic Management	6cp

**Project Management Specialisation**

17101	Project Process 1 <sup>1</sup>	6cp
17201	Project Process 2 <sup>2</sup>	6cp
17301	Project Process 3 <sup>3</sup>	6cp
17401	Project Process 4 <sup>4</sup>	6cp
17105	Industry Specific Project Process 1	6cp
17205	Industry Specific Project Process 2	6cp
17305	Project Technologies 1	6cp
17405	Project Technologies 2	6cp

<sup>1</sup> Equivalent to 17111 Project Integration.

<sup>2</sup> Equivalent to 17112 Project Scope and 17113 Project Time.

<sup>3</sup> Equivalent to 17114 Project Cost and 17115 Project Quality.

<sup>4</sup> Equivalent to 17118 Project Risk and 17119 Project Procurement.

**Graduate Diploma in Project Management****Recommended part-time program****Year 1**

17111	Project Integration <sup>3</sup>	6cp
17112	Project Scope	3cp
17113	Project Time	3cp
17114	Project Cost	3cp
17115	Project Quality	3cp
17116	Project Human Resources	3cp
17117	Project Communications	3cp
17118	Project Risk	3cp
17119	Project Procurement	3cp
	<i>or</i>	
17211	Project Integration (RCC)	3cp*
17212	Project Scope (RCC)	1.5cp
17213	Project Time (RCC)	1.5cp
17214	Project Cost (RCC)	1.5cp
17215	Project Quality (RCC)	1.5cp
17216	Project Human Resources (RCC)	1.5cp
17217	Project Communications (RCC)	1.5cp
17218	Project Risk (RCC)	1.5cp
17219	Project Procurement (RCC)	1.5cp

Note: For further information on RCC subjects see under Graduate Certificate in Project Management.

**Year 2**

17105	Industry-Specific Project Process 1	6cp
17205	Industry-Specific Project Process 2	6cp
17305	Project Technologies 1	6cp
17405	Project Technologies 2 or Elective	6cp 6cp

**Recommended full-time program**

24 credit points from the following:

17111	Project Integration <sup>3</sup>	6cp
17112	Project Scope	3cp
17113	Project Time	3cp
17114	Project Cost	3cp
17115	Project Quality	3cp
17116	Project Human Resources	3cp
17117	Project Communications	3cp
17118	Project Risk	3cp
17119	Project Procurement	3cp
	<i>or</i>	
17211	Project Integration (RCC)	3cp*
17212	Project Scope (RCC)	1.5cp
17213	Project Time (RCC)	1.5cp
17214	Project Cost (RCC)	1.5cp
17215	Project Quality (RCC)	1.5cp
17216	Project Human Resources (RCC)	1.5cp
17217	Project Communications (RCC)	1.5cp
17218	Project Risk (RCC)	1.5cp
17219	Project Procurement (RCC)	1.5cp

Note: For further information on RCC subjects see under Graduate Certificate in Project Management.

plus a further 24 credit points from the following:

17105	Industry-Specific Project Process 1	6cp
17205	Industry-Specific Project Process 2	6cp
17506	Industry Specific Project Process 3	6cp
17305	Project Technologies 1	6cp
17405	Project Technologies 2 or Elective	6cp 6cp

**Notes:**

- Suitably qualified applicants may, with the approval of the Director of Program, substitute 17507 Industry Project Studies 1 12cp, 17508 Industry Project Studies 2 12cp, 17509 Industry Project Studies 3 12cp or Electives (6cp maximum) for up to 24 credit points of subjects listed in the recommended full- and part-time programs except the subjects 17111 to 17119 and 17211 to 17219 which are core subjects for the Master's program. The Industry Project Studies subjects are intended as individual or group work based action learning or research projects.
- Other program variations will be permitted with approval of the Director of Program. Project Integration 17111 or 17211 plus a minimum of six of the project competency subjects are required for award of a Graduate Certificate. Evidence of competence in any units/project competency subjects not taken would be required as a prerequisite for award of a Graduate Certificate.

## Graduate Certificate in Project Management

To qualify for the Graduate Certificate in Project Management students must achieve 24 credit points.

24 Credits points from the following:

17111	Project Integration	6cp
17112	Project Scope	3cp
17113	Project Time	3cp
17114	Project Cost	3cp
17115	Project Quality	3cp
17116	Project Human Resources	3cp
17117	Project Communications	3cp
17118	Project Risk	3cp
17119	Project Procurement	3cp
	<i>or</i>	
17211	Project Integration (RCC)	3cp*
17212	Project Scope (RCC)	1.5cp
17213	Project Time (RCC)	1.5cp
17214	Project Cost (RCC)	1.5cp
17215	Project Quality (RCC)	1.5cp
17216	Project Human Resources (RCC)	1.5cp
17217	Project Communications (RCC)	1.5cp
17218	Project Risk (RCC)	1.5cp
17219	Project Procurement (RCC)	1.5cp

Note: Exemptions will be allowed to a number equivalent to the credit points gained for all RCC subjects to bring the total number of credit points for the Graduate Certificate in Project Management to 24.

- Project Integration plus a minimum of 6 of the project competency subjects are required for award of a Graduate Certificate.
- Students will be required to enrol in a minimum of 3 RCC subjects at any one time.
- Evidence of competence in any units/project competency subjects not taken would be required as a prerequisite for award of a Graduate Certificate.

## Master of Land Economics

- ◆ *Course code: AB58*
- ◆ *Testamur title: Master of Land Economics*
- ◆ *Abbreviation: MLandEc*
- ◆ *Course fee: \$10,800*

### Aims

The Master of Land Economics will enable students to study matters relating to the land economics field, with the purpose of adding value to their professional activity and minimising the cost to society in general and to clients in particular.

The course has three broad aims:

- to provide a thorough and advanced grounding in the land economics process, markets and institutions;

- to develop a range of skills and analytical techniques which will be of use to those seeking to work as researchers, analysts, managers or consultants within the land economics sector; and
- to provide a learning environment which will encourage the further development of critical thinking and value judgment skills at a strategic level in the field of land economics.

### Qualifications for admission

Admission to the course will be assessed on merit, given that a four-year full-time equivalent Bachelor's degree in a land economics related discipline is a prerequisite qualification. Applicants will also need to demonstrate a minimum of three years experience in the land economics field.

More specifically, it is expected that graduates in Land Economics with a Bachelor's degree from UTS will gain direct entry to the course. Graduates in this discipline from other universities or graduates in other disciplines may be required to complete a qualifying program. Holders of the Graduate Diploma in Urban Estate Management from UTS who also hold an undergraduate degree, and have completed the subjects marked<sup>1</sup>, will be granted full exemption from the first part-time year of the Master of Land Economics. No exemptions will be granted from the second part-time year.

### Requirements

The Master of Land Economics requires the completion of 48 credit points on a two-year part-time basis. Students will undertake four sessions in the first year and two sessions and the Research Project subject in the second year.

### Course program

17701	Environment and Control <sup>1</sup>	6cp
17704	Advanced Property Finance	6cp
17518	Property Research Methods	6cp
17519	Advanced Property Development	6cp
17705	Contemporary Issues in Land Economics	6cp
17706	Research Project – Master of Land Economics	18cp

<sup>1</sup> Subjects shared with the UEM program.

## Master of Business Administration (Facility Management Major)

- ◆ *Course code: AB56*
- ◆ *Testamur title: Master of Business Administration*
- ◆ *Abbreviation: MBA*
- ◆ *Course fee: \$1,400 per six credit point subject*

*(in conjunction with the Faculty of Business)*

## Master of Building in Construction Economics

- ◆ *Course code: AB59*
- ◆ *Testamur title: Master of Building in Construction Economics*
- ◆ *Abbreviation: MBuild*
- ◆ *Course fee: \$12,000*

## Graduate Diploma in Building in Construction Economics

- ◆ *Course code: AB70*
- ◆ *Testamur title: Graduate Diploma in Building in Construction Economics*
- ◆ *Abbreviation: GradDipBuild*
- ◆ *Course fee: tba*

Facility Management (FM) is the fastest growing discipline in the construction and property industries. FM relates to the stewardship of existing facilities to enable effective operation, better business performance and higher levels of worker satisfaction and productivity. It demands a high level of technical knowledge, professional judgment and management skill. FM is recognised throughout the world as making an important contribution to the effective and sustainable operation of built assets and the organisational activities that function within them.

In one sense, FM is a fusion of development, design, construction and asset management functions and demands a breadth of education and training. It has become apparent in recent years that, to be effective, facility managers must deal with an increasing range of issues and challenges. Computer-aided facility management, strategic planning and environmental assessment are just a few of the new driving forces within the discipline.

Techniques like life-cost studies, value management and risk analysis have become critical tools in the search for more efficient built solutions. But once designed and constructed an ongoing evaluation and optimisation process begins that must deal with new technological improvements, changes in standards and ordinances, more stringent environmental legislation, tighter budgetary constraints and a greater selection of business choices.

With the expansion of existing infrastructure and the demands for development to be sustainable, FM will be the construction-related profession of the new millennium.

### Aims

Education for facility managers and others involved in asset management activities is best provided at a postgraduate level. With this in mind, UTS has developed a suite of articulated courses which provide flexible pathways for professional people to enter this field or further improve their existing expertise. The courses build on existing knowledge acquired from undergraduate study and are founded on the four ideological pillars of sustainable futures, flexible learning, cooperative education and internationalisation.

### Sustainable futures

Sustainable development is the most significant issue facing the global construction industry as we move into the new millennium. It is vital that professionals concerned with the built environment understand and apply techniques that can deliver and operate projects reflecting ecologically sustainable development (ESD) goals. Through proper design and management environmentally compatible solutions can be found that not only minimise the use of resources but also improve profit levels to organisations through lower operating costs and increased worker productivity. Success will enable society to maintain higher living standards and environmental quality that will ultimately lead to a more sustainable future.

### Flexible learning

Education is rapidly becoming a global export and the main players in the future will be those that harness the power of information technology to increase student access to educational services and simultaneously maintain or enhance their external reputation for quality. Flexible learning is the name given to a variety of teaching and administrative practices that meet the needs of a diverse

student population in a contemporary social context. It is simply multiple ways of learning, so students have more options and are given more responsibility in the educational process. Flexibility relates to access, participation, course content, teaching strategies, responsiveness, assessment, resource materials and delivery systems. Flexible learning is a distinctive feature of UTS.

### Cooperative education

UTS is one of the largest cooperative education institutions in the world. This feature has encouraged close links with business organisations and enabled graduates to be readily employable in industry. Courses can be studied on a part-time basis and rely on the input of professionals working concurrently in a range of fields associated with the built environment. Cohorts commonly comprise senior people seeking career development with backgrounds in architecture, development management, project management, facility management, construction, engineering, property and quantity surveying. While some courses can be completed full-time, all students interact together creating a unique learning mix that encourages the exchange of ideas and experiences in a multidisciplinary context.

### Internationalisation

All courses address aspects of facility management that are relevant to practice in any part of the world. The Royal Institution of Chartered Surveyors (RICS) and the International Facility Management Association (IFMA) are two of many transnational professional bodies to which graduates may aspire. All subjects adopt an international syllabus and encourage the examination of local issues in a global context. Students enjoy the opportunity to discuss problems and solutions with others from different countries and cultures. This diversification leads to higher learning outcomes as well as the establishment of friendships and business contacts to an extent not normally encountered in conventional education. An opportunity is also provided for students to experience Australia first hand and to meet their classmates socially. UTS attracts students from over forty different countries and is a true multicultural university.

## Qualifications for admission

Admission to the courses is assessed on merit given that a Bachelor's degree is the prerequisite qualification. Entry to the Master of Business Administration requires the equivalent of three years of full-time study. Entry to the Graduate Diploma in Building or the Master of Building requires the equivalent of four years of full-time study in a construction or property-related discipline. Applicants with 20 years relevant experience but without formal qualification will also be considered.

Normally full-time entrants will need to demonstrate that they have at least three years relevant experience in the construction or property industries. This latter requirement will be waived, however, where applicants have obtained an Honours level Bachelor's degree or where applicants are articulating directly from the UTS Bachelor of Building.

A Postgraduate Qualifying Program (commencing in April, August or December) is available for applicants who do not meet the normal academic prerequisites. The Qualifying Program, delivered via the Internet worldwide, is based on the final year of the UTS Bachelor of Building in Construction Economics degree. It comprises the following subjects offered over one calendar year part time:

#### April–July

16521	Cost Planning and Modelling	8cp
16534	Project Planning and Risk	8cp

#### August–November

16513	Economic Analysis	8cp
16523	Advanced Cost Engineering	8cp

#### December–March

16806	Legal Studies 2	8cp
16506	Quantity Surveying Practice	8cp 48cp

Entrants may be requested to complete 16, 32 or 48 credit points from the Qualifying Program depending on their previous qualifications. Admission to articulated courses is guaranteed for students who have successfully completed linked programs.

## Requirements

Postgraduate courses in facility management are predominantly delivered in an electronic distance learning mode. Rather than conventional face-to-face discussions, content is conveyed through various technology formats including CD-ROM, software simulations,

electronic slideshow presentations, online documents, email and video conferencing. The learning style is contemporary and engaging, highly portable and flexible. While some adjustment may be required initially, students soon enjoy learning via these media. Online photographs and private messages also help overcome the absence of conventional social interaction.

UTS uses groupware called TopClass™ to link students together from around the world. An exclusive intranet is created for each course that enables public or private discussion and interaction amongst students and staff. Each course has online instructions relating to subject overview, resources, assessment and feedback. Although online help is available, it is rarely needed as the software is both intuitive and user-friendly.

Electronic delivery is well suited to post-graduate education where the participants are mature age learners, self-motivated and with complex family and work commitments. What may be lost through distance is more than gained through cultural interchange and exposure to the global industry scene.

The Internet-delivered courses create a simulated classroom environment that enables students to communicate easily with their academic instructors and their classmates, submit work electronically and receive prompt feedback. An electronic discussion list enables students to converse with others in the group at a time and from a location suitable to them.

Students 'mix' electronically with their classmates, some of whom are local and others from a number of different countries throughout the world. Students complete some parts of their course individually and some parts in groups.

Virtual study groups are established to enable review, discussion and critique processes. All student work is circulated to the group and collectively forms a substantial knowledge base for the courses.

The business core units employ a varied combination of assessment. The emphasis is on demonstration of competence in each of the eight component subjects. Classes for part-time students are organised in evenings, although flexible study options are increasingly being developed. The core units are available offshore in some cases.

Extensive notes are provided on CD-ROM covering all of the Internet-based subjects. Content is communicated in a variety of interesting ways that support online searching,

bookmarking and text-selection techniques. Over A\$20,000 of proprietary software is contained on the CD-ROM and provided free for educational purposes. Essential textbooks (one per subject) are included in the tuition fees and posted to students along with other course resources.

UTS has state-of-the-art video conferencing facilities that enable tutorials and workshops to be conducted remotely. Students can participate actively through ISDN links or passively through Internet broadcasts. More conventional tools like teleconferencing and facsimile can also be used as appropriate.

The UTS Library has a range of electronic resources available for offshore students. These include online databases for literature searches and downloadable documents that can be accessed and printed on demand. Despite the increasing wealth of electronic resources, access to a university-standard library in-country is still important.

## Course programs

### Master of Business Administration (Facility Management)

This course comprises 96 credit points of postgraduate education delivered in a combination of on-campus (face-to-face) and off-campus (Internet) modes. It is offered as two years full-time or four years part-time study, although the course can be accelerated by studying over summer and winter semesters. Entry points are March and August each year. Attendance at UTS is required for the business core units, but these may be exempted where previous postgraduate qualifications in business administration are held. Completion of the UTS Master of Building provides advanced standing to the course of 48 credit points.

#### Business Administration Core

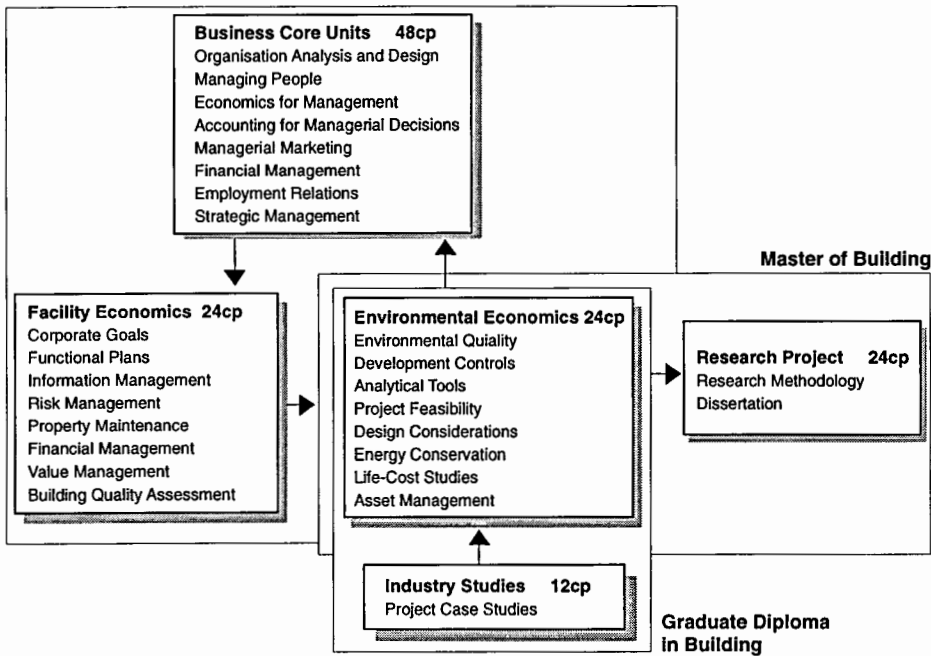
21718	Organisation Analysis and Design	6cp
21813	Managing People	6cp
25706	Economics for Management	6cp
22747	Accounting for Managerial Decisions	6cp
24734	Managerial Marketing	6cp
25742	Financial Management	6cp
21720	Employment Relations	6cp
21715	Strategic Management	6cp

#### Facility Management Specialisation

17540	Facility Economics <sup>1</sup>	24cp
17550	Environmental Economics	24cp

1 17540 Facility Economics can be substituted with 17560 Research Project where students are articulating from the Master of Building degree.

**Master of Business Administration (Facility Management)\***



\* This chart illustrates the topic content of each course and their articulation design. It is permissible to progressively graduate with all three awards within an overall time frame of two-and-a-half calendar years.

**Master of Building in Construction Economics**

This course comprises 48 credit points of postgraduate education also delivered worldwide via the Internet. It is offered as one year full-time or two years part-time study. Entry points are March and August each year. Attendance for one week at UTS is required in either July or December to present the findings of the major dissertation, otherwise the course can be undertaken off-campus. Completion of the UTS Graduate Diploma in Building provides advanced standing to the course of 24 credit points.

**One year full-time program**

Year 1		
17550	Environmental Economics	24cp
17560	Research Project	24cp

**Two year part-time program**

Year 1		
17550	Environmental Economics	24cp
Year 2		
17560	Research Project	24cp

**Graduate Diploma in Building in Construction Economics**

This course comprises 36 credit points of postgraduate education delivered worldwide via the Internet. It is offered as twelve months part-time study. Entry points are March, August and December each year. Attendance for one week at UTS is required in mid February to present the industry case study results, otherwise the course can be undertaken off-campus. Advanced standing to the course of 12 credit points is available in certain cases.

**One year part-time program**

Year 1		
16300	Industry Studies	12cp
17550	Environmental Economics	24cp



# FACULTY RESEARCH DEGREES

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The Faculty offers both PhD and Master's programs by research and thesis in areas that relate to the three disciplines of the Faculty.

## Doctor of Philosophy

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- ◆ *Course codes: Axxx*
- ◆ *Testamur title: Doctor of Philosophy*
- ◆ *Abbreviation: PhD*
- ◆ *Course fee: tba*

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

To qualify for admission to a Doctoral degree program, applicants should possess a Bachelor's degree with First Class Honours, Division 1, and experience in research or a research Master's degree from UTS, or equivalent.

The PhD applicant's proposed area of research should be within one of the disciplinary areas of the Faculty. Applicants are advised to discuss in detail their proposals with the Associate Dean, Research, Graduate and Industry Programs or nominee.

In submitting an application, applicants should include an outline of their research proposal, detailing the aims, objectives, methodology and required resources/facilities.

During the period of enrolment, candidates are supervised by appropriate academic staff members appointed by the Faculty. Candidates are required to present papers on their thesis topic at Faculty postgraduate seminars annually. Candidates are also invited to participate in other research activities occurring in the Faculty.

## Doctor of Architecture

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- ◆ *Course code: AA54*
- ◆ *Testamur title: Doctor of Architecture*
- ◆ *Abbreviation: DArch*
- ◆ *Course fee: tba*

The Doctor of Architecture program is intended to enable architects whose work is made public by construction, rather than in print, to receive academic recognition for their work when substantiated by a theoretical discourse at a doctoral level.

For further information on the requirements for admission, registration and assessment can be obtained from the Faculty Office.

## Master of Architecture (by thesis)

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- ◆ *Course code: AA51*
  - ◆ *Testamur title: Master of Architecture*
  - ◆ *Abbreviation: MArch*
  - ◆ *Course fee: tba*
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## Master of Applied Science (by thesis)

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- ◆ *Course code: AB51*
  - ◆ *Testamur title: Master of Applied Science*
  - ◆ *Abbreviation: MAppSc*
  - ◆ *Course fee: tba*
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## Master of Design (by thesis)

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- ◆ *Course code: AB58*
  - ◆ *Testamur title: Master of Design*
  - ◆ *Abbreviation: MDesign*
  - ◆ *Course fee: tba*
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A limited number of places are offered each year to suitably qualified students to follow a program of study leading to one of the above awards. These degrees are for graduates seeking to extend and deepen their knowledge by undertaking an appropriate research investigation under professional supervision by academic staff of the Faculty.

To qualify for admission to a Master's degree (by thesis) program, applicants should possess a Bachelor's degree, preferably at Honours level or equivalent, and be proficient in English.

The requirement of the degree is the preparation of a thesis which is judged by its examiners to be a distinct contribution to the knowledge of the subject. The format of the body of work and the length of the written dissertation will be determined after discussion within Faculty staff and must be approved by the Graduate Studies Committee.

Candidates may be required in the first instance to undertake coursework subjects in research methodology, to gain exposure to and experience with research methods and skills. They are required to present papers, which form part of the preparation of their thesis, at the Faculty Postgraduate Seminars.

The minimum duration for a Master's degree (by thesis) is two years full time or three years part time.

### General

Applicants for all of the above courses are advised to consult the *UTS Calendar* for details relating to eligibility for admission, submission of thesis etc. Information may also be obtained from the University Graduate School.

Prospective applicants should discuss possible topics of research with the Associate Dean, Research and Graduate Programs (or nominee).

# SUBJECT DESCRIPTIONS

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## UNDERGRADUATE

The subject descriptions shown below indicate the subject code and name, the number of credit points for the subject (e.g. 3cp). For some subjects, there may also be practical components off campus, and this is indicated in the text. Also shown are the prerequisites or corequisites, if any, and a brief outline of the content.

Prerequisites are subjects which must be completed before taking the subject to which they refer. Corequisites may be completed before or be taken concurrently with the subject to which they refer.

**XXXXX**

### Textile Surface Design

6cp

Contact the Faculty Office for more information.

**11911**

### Architectural Design 1

17cp

The subject Architectural Design is devoted both to the study of design, as an intellectual/academic discipline, and to the practice of designing, as a professional/practical discipline. In each year of the program key issues are addressed both through formal lectures and by means of practical project-based programs which seek to integrate with design practice the intellectual/academic work from other subject areas within the course. This integration of design and technology with theory studies is the primary objective of the subject Architectural Design and is accomplished through work on project-based design programs. Such programs vary in size and content, from individual, specifically focused, exercises to more 'complete' projects, and are calibrated for increased complexity and difficulty throughout the course. In all stages of the design program there is a determination to demonstrate the relevance of linking theoretical studies and applied knowledge in critical assessments.

While the mode of delivery for the above is through project-based design exercises and projects, the traditional model of the studio – as the central or 'core' activity of architectural education, as a simulation of architectural practice, and as a locus of individual tuition based on the master/pupil model – can no longer be maintained. Rather, project-based exercises will be structured around interactive small group tutorial sessions involving approximately 15 to 20 students, under the direction of a variety of tutors, and with the specific subject content of each project being introduced by a series of lectures and papers. All design projects will be timetabled to show how this method of delivery is to operate; to emphasise the integration of specific content from other subject areas within the program; and to offer specific requirements and criteria for successful fulfilment of the program. In addition, the use of computer models as specific design aids will be stressed.

#### **Components:**

##### *Projects 1, Weighting: 0.6*

Introduction to the concept of design as an activity which is fundamental to the making of habitable space. This involves developing an elementary understanding of the role of enclosed spaces, climate and materials in providing shelter, from the scale required by the individual to that of the group.

##### *Architectural Computing 1, Weighting: 0.2*

The use of the computer is studied as a tool to aid communication in all spheres of design. This component covers the following topics: basic CAD 2D, word processing and spreadsheet; application of Archi-CAD and 3D modelling; application of specific programs as design aids and tools of analysis; introduction to basic environmental modelling.

##### *Architectural Graphics, Weighting: 0.1*

This component is an introduction to the following: freehand drawing and graphic techniques; architectural drafting; projections and perspective; computer graphics.

##### *Architectural Model Making, Weighting: 0.1*

This component introduces students to elementary physical model making to show the construction and assemblage of buildings. Students will make models of landscape and buildings in their setting.

**Note:** In order that students may be certified to use the Faculty Workshop facilities, all Year 1 students will be required to undertake a training course of approximately 10 hours' duration, under the direction of the Workshop Manager.

## 11912

### Technology 1

13cp

Central to an understanding of architecture and its technology is an appreciation of the relationship of construction to structure and to the technical servicing of buildings. This understanding is developed through the subject by integrating the study of construction, structure and services with project-based design exercises, where these components are taught concurrently with design programs, allowing students at all stages of their development to test their designs against the reality of the constraints of technology.

#### **Components:**

*Construction 1, Weighting: 0.5*

This component is an introduction to the constructional determinants of design. This is studied by an analysis of precedent which includes analyses of constructional systems and the ordering of building typologies. Statutory regulations and building codes are studied and case studies of small-scale, short-span, single-cell buildings are made.

*Structure 1, Weighting: 0.4*

The practice of architecture necessitates the production of stable buildings. The study of structure is intended to sharpen the predictive ability of building designers in this respect. Students are expected to demonstrate numeracy in their ability to compare systems quantitatively, undertake indicative computer analyses, and to manipulate physical units of force, length and time.

It introduces students to the following: forces acting on buildings – gravity, wind, seismic, temperature, ground movement; resolution of forces; the classification of material properties – stress, strain, elasticity, ductility, strength; cross-sectional properties; introduction to bending moment and shear force plots; simple 2D structures – columns, beams, arches and cables; structographics; consequences of variation in load pattern and jointing details; and introduction to computer usage in all the above.

*Architectural Surveying, Weighting: 0.1*

This component is an introduction to the following topics pertaining to architectural surveying: terminology used; role of service performed and scope of work undertaken by either consultants or others; instruments and equipment used; field work applied to site surveys and measurement of existing buildings, including measured drawings; plotting of services, contours and other site characteristics; recording of site conditions; and locating boundaries and ownership limits through land records.

## 11913

### Theory Studies 1

9cp

#### **Components:**

*Environmental Science 1, Weighting: 0.3*

This component will deal with issues related to the placement of the built environment in the general context of its surrounding environment from a climatological viewpoint. It covers the following topics: the earth's orbit around the sun; the aphelion and the perihelion; tilt of the earth on its axis; effect of the above phenomena on net radiation received over the planet's surface for various latitudes; sun's declination and alternation of seasons; major world weather systems; sunshine and shade studies related to major climatic regions; and construction of solar charts.

*Theory and Architecture 1, Weighting: 0.5*

This component is intended to introduce students to the roles of thinking, reasoning and argument in the analysis of architecture. Lectures in Part 1 of the component provide introductory discussions on thinking and reasoning skills, common fallacies, problems and problem solving, creativity, criticism and ethics; while the lecture and tutorial program in Part 2 offers an introduction to key issues of contemporary critical theory. In addition, the component aims to provide students with close reading skills, library and research skills, and essay-writing techniques.

*History of Architecture 1, Weighting: 0.2*

The following will be offered in 2000. Students must undertake both topics.

*The Architecture of Antique Greece and Rome*

This topic will study: the development of the Classical Orders and of the theory of beauty in Greek architecture; the buildings of Athens, Delphi and Olympia; the Greek and Roman

theatre; Roman domestic architecture; the emergence of Roman concrete as a major building material and as a medium for shaping space and volume; and Roman design theory and practice as reflected in the works of the Emperors Nero, Domitian, Trajan and Hadrian.

#### *The Architecture of Medieval Europe*

This topic will concern itself at first with the Early Christian and Byzantine architecture of Rome, Ravenna and Constantinople. Thereafter it will turn to the Romanesque and Gothic architecture of France, England, Germany, Spain and Italy.

### 11914

#### Professional Practice 1

3cp

The importance given to studies related to professional practice is reflected in how they are structured within the course. Students are introduced, from the first year of the course, to the relationship of the professions to society, and to the importance of academic study and research in assuring that this role is properly fulfilled.

#### **Component:**

*Architectural Practice 1, Weighting: 1.0*

This component covers the principles of architectural practice and the law. Topics include the following: law and ethics; aspects of trade practice and business structure; master and servant relationships; and taxation.

### 11915

#### Elective Studies 1

6cp

#### **Components:**

*Evolution of Human Settlement, 3cp*

This component reviews the migration and settlement of modern humankind (*Homo sapiens*) across the various landmasses of the planet. It focuses on response to place, climate and available resources as well as the role of social structures and cultural mores. It includes case studies by climatic zones: Hot Arid, Hot Humid, Arctic, Temperate, and Mediterranean.

*Life Drawing, 3cp*

Details of component to be provided at time of enrolment.

*Architecture/Technology/History, 3cp*

A brief introduction to key ideas associated with the relation between architecture and technology throughout history.

### 11921

#### Architectural Design 2

8cp; prerequisites: 11911 Architectural Design 1; 11912 Technology 1

#### **Component:**

*Projects 2, Weighting: 1.0*

This component encourages the development of design skills to meet the needs of more complex programs, including residential and related uses. This involves lectures and design exercises embracing social, environmental and technical issues in the grouping and assemblage of buildings.

### 11922

#### Technology 2

9cp; prerequisites: 11911 Architectural Design 1; 11912 Technology 1

#### **Components:**

*Construction 2, Weighting: 0.6*

This component involves the study of domestic scale building, which is also related to project-based design exercises. It covers the following topics: introduction to building economics; case studies of building failures; analysis of constructional systems; analysis of architectural detailing and its relationship to architectural design; integration of services and other technical and environmental constraints as they influence construction; and an introduction to post-occupancy evaluation.

*Structure 2, Weighting: 0.4*

This component is an introduction to code loadings and the effect of materials and codes on joint detailing. It covers the following topics: the study of stability of low-rise 3D structures to gravity, lateral and torsional actions; bending and shear stress distribution over element X-sections; consequences of hyperstatic systems; composite materials and systems; and the use of computer techniques in all the above.

### 11923

#### Theory Studies 2

9cp

#### **Components:**

*Environmental Science 2, Weighting: 0.4*

This component concerns itself with the direct relationship between the built object and its interaction with the environment in which it is placed. It will primarily concern itself with

issues of biogeography and cover all major environmental cycles e.g. nitrogen, carbon, oxygen and hydrological cycles. This component will also cover the topics of greenhouse gases, ozone depletion and the ramifications of other anthropogenic inputs into the atmosphere and its likely effect on plant and animal life.

*Theory and Architecture 2, Weighting: 0.3*

This component is a continuation of previous work on architectural thinking. It introduces students to the architecture and theories of modernism and modernity.

*History of Architecture 2, Weighting: 0.3*

The following will be offered in 2000. Students must undertake both topics.

*The Architecture of the Early Renaissance*

The areas of study covered in this topic are as follows: early 15th-century Florence and the work of Filippo Brunelleschi; the writings and building projects of Leon Battista Alberti; the development of the urban *palazzo* in 15th-century Florence, Pienza and Urbino; Donato Bramante in Milan and Rome; Michelangelo in Florence and Rome; and the early 16th-century projects of Raphael and Giulio Romano.

*High Renaissance and Baroque Architecture*

Starting with the High Renaissance buildings of Ammanati, Vignola and Palladio, this topic will proceed to an analysis of Baroque architecture through the works of Maderno, Bernini, Borromini, Longhena, Guarini, Neumann, Zimmermann, and von Erlach.

## 11924

### Professional Practice 2

**Component:**

*Architectural Experience*

An integral component of each of the programs offered is practical work experience which is acquired concurrently with academic study. Approved work experience is a precondition of the award of each of the degrees. All students must therefore undertake the component 'Architectural Experience' and must gain a specified amount of architectural experience prior to graduation.

Students must amass specified amounts of architectural experience by particular stages of the course in order to proceed through the course academically.

Such architectural experience is monitored through a non-academic credit-point system. Full details of the amount of experience to be gained and at what level will be issued to students by the Director of Professional Practice.

Students are required to record their practical experience in the log book of the Architects Accreditation Council of Australia (AACA) (which may be obtained from the RAIA) and all students must submit these log books and work experience sheets for inspection each year. Students who do not submit log books by the dates set down by the staff member responsible for Professional Practice will have a failure recorded in the subject.

Students who have gained the requisite number of non-academic architectural experience points, and have had this verified by the Director of Professional Practice, are no longer required to submit log books and are deemed to have satisfied the criteria for the component Architectural Practice.

Students who have been granted advanced academic standing may also be eligible for an allowance of points in respect of approved practical experience acquired prior to enrolment in the course.

## 11925

### Elective Studies 2

6cp

**Components:**

*Sustainable Architecture 1, 3cp*

This component covers the following topics: energy usage and its implications for climate change and the acidification of the atmosphere; the contribution of the greenhouse effect and the built environment to these phenomena; infrastructure planning and climate responsive architecture; and resource allocation.

*Architectural Computing 2E, 3cp*

This component covers advanced use of computers for architectural purposes.

*Architectural Photography 1, 3cp*

This component is an introduction to architectural photography, including techniques, form and meaning.

**11931****Architectural Design 3**

8cp; prerequisites: 11921 Architectural Design 2; 11922 Technology 2

**Component:**

*Projects 3, Weighting: 1.0*

This component explores the relationship of buildings to their setting, in both rural and urban contexts, together with the integration of social, environmental and technical services to support their use.

**11932****Technology 3**

5cp; prerequisites: 11921 Architectural Design 2; 11922 Technology 2

**Component:**

*Construction 3, Weighting: 1.0*

This component involves an investigation of more complex and larger scale building systems and their construction. It includes detailed cost planning and budgetary control; evaluation of environmental impact studies and their impact on construction; and analysis of the integration of construction and services in medium-rise and multi-use structures.

**11933****Theory Studies 3**

9cp

**Components:**

*Environmental Science 3, Weighting: 0.4*

This component follows on from the work done in 11923 Theory Studies 1: Environmental Science 2, by introducing the topic of energy exchange mechanisms within the built environment. The contribution made by sensible heat load from the occupants and equipment will be discussed, as will the role of the building envelope as an environmental modifier and filler.

*Urban Studies 1, Weighting: 0.3*

These studies focus on issues which deal with the making of the built environment from the level of the individual building and its setting to the structure and restructuring of cities. In Urban Studies 1, the field of study and the interrelationship of subject areas are outlined. An introductory overview is given on the historical development of cities, which ranges from the planned and utopian city, to the growth of the incremental city. Basic issues

relating to landscape are examined – terrain evaluation; reading the landscape and discovering its underlying structure; vegetation; soil morphology; geology; hydrology. Students will gain an understanding of the implications of intervention in natural systems by built objects and the management and control of change.

*History of Architecture 3, Weighting: 0.3*

The following will be offered in 2000. Students must undertake both topics.

*Architecture in Sydney 1885–1930*

While defining the ideological framework within which architecture evolved in Sydney and its environs during the period in question, this topic will analyse representative buildings designed by J Horbury Hunt, Harry C Kent, G M Pitt, E Jeffresson Jackson, John Sulman, George Sydney Jones, B J Waterhouse, Hardy Wilson, Leslie Wilkinson and Neville Hampson. Research method as applied to the survey and documentation of historical buildings will also be discussed.

*Architecture in Europe, 1850–1914*

This topic will orientate itself around the work of the following architects: Philip Webb, Richard Norman Shaw, M H Baillie Scott, C F A Voysey, Edwin Lutyens, Charles Rennie Mackintosh, Victor Horta, Hector Guimard, Otto Wagner, Joseph Olbrich, and Josef Hoffmann. At the same time it will discuss the ideas and theories espoused by the Arts and Crafts movement in England, by the Art Nouveau school in Belgium and France, and by the Secessionist movement in Austria.

**11934****Professional Practice 3**

4cp

**Components:**

*Architectural Practice 2, Weighting: 1.0*

This component covers the following topics:

1. Application of cost planning and elemental analysis, their use in design and documentation stages and the development of the final cost analysis in office management.
2. Time planning and scheduling and its application to building projects and operations.

*Architectural Experience*

See 11924 Component Architectural Experience.

**11935****Elective Studies 3***6cp***Components:***Sustainable Architecture 2, 3cp*

This component critically reviews the part the current economic paradigm plays in management decisions regarding human settlement and the built environment, and sets out to determine whether this model represents a true costing of the resources used in humankind's daily activities.

*History of Architecture 3E, 3cp*

The following will be offered in 2000. Students must undertake both topics.

*Islamic Architecture, 690–1700*

What is Islamic architecture? This is the question which this subject seeks to answer as it visits buildings designed for and by Muslims in Jerusalem, Damascus, Baghdad, Samarra, Cairo, Cordoba, Granada, Istanbul and Isfahan.

*Architecture in the USA, 1874–1936*

Discussion in this unit will revolve around three main themes: 'Shingle Style' architecture and its emergence in the 1870s; developments in the design and construction of high-rise buildings in Chicago during the 1880s and 1890s; and the work of Frank Lloyd Wright between 1893 and 1936.

*Theory and Architecture 3A, 3cp*

Theory, architecture, philosophy and their interrelations.

*Theory and Architecture 3B, 3cp*

An introduction to the rise of postmodernism; key ideas and theorists; antifoundationalism; architecture and postmodernism; postmodern space; postmodernism and the city.

**11936****Honours Qualifying**

*6cp; prerequisites: successful completion of all subjects in Years 1 and 2*

**Components:***Research Methods, Weighting: 0.2*

This component includes the following topics: an introduction to research methods; methodologies in different disciplines; statistics; library facilities; international databases; and an introduction to thesis preparation.

*Preliminary Thesis Submission, Weighting: 0.8*

This component involves the preparation, under the supervision of an approved staff member and on a topic agreed to by the Program Director, the supervisor, and student, of a substantial essay outlining and developing one aspect of the proposed thesis topic. This essay should demonstrate the following: research and scholarship skills applied to that particular topic; skills in data gathering and analysis; and the development and presentation of written skills suitable to the preparation of a thesis at Honours level.

**11941****Architectural Design 4**

*10cp; prerequisites: 11931 Architectural Design 3; 11932 Technology 3*

**Component:***Projects 4, Weighting: 1.0*

Problems related to the re-use and re-design of obsolete buildings are studied in this component, with account taken of historical and cultural factors, architectural significance, as well as constraints on built form and land use imposed by statute and local regulation.

**11942****Technology 4**

*12cp; prerequisites: 11931 Architectural Design 3; 11932 Technology 3*

**Components:***Construction 4, Weighting: 0.4*

This component involves the analysis of the integration of construction and services in high-rise and large-span structures. It covers advanced constructional systems, including studies of precast and prestressed concrete design; timber technology; large-span steel and cable structures; study of building and planning codes and relevant statutory instruments; detailed appraisal of the Burra Charter as it impacts on the rehabilitation of protected buildings; and technical adaptation of existing buildings to new use.

*Structure 3, Weighting: 0.3*

This component involves students in case studies on the following: building failures; typologies and shape finding; high-rise and long-span buildings; membranes, nets and space frames; wind and earthquake effects. It also covers retrofit in the upgrading of old and damaged buildings, and communication between CAD and computerised analysis.



*Applied Services, Weighting: 0.3*

This component investigates the management of the various information and control systems that contribute to the built environment's efficient utilisation of resources and energy. It also covers all mechanical services, air distribution services, and hydraulic services, including professional liaison with appropriate consultants.

**11943****Theory Studies 4**

6cp

**Components:***Environmental Science 4, Weighting: 0.6*

This component is an introduction to architectural acoustics and lighting which looks at the response of the human ear and eye. The acoustic program covers the following topics: the characteristics of sound and its propagation; design for acoustic environments; noise control; barriers; isolation; masking and general room acoustics. The lighting program studies two aspects under the headings of daylighting and electrical lighting, including the following topics: glare; colour perception classification systems; daylighting factors; design skies; and lamp technologies. Methods of calculating illuminance will also be covered.

*Urban Studies 2, Weighting: 0.4*

This component includes seminal case studies of city development with a particular focus on the scale and growth of the 19th-century city. Studies include sociopolitical, economic, physical and ideological critiques of the city.

**11944****Professional Practice 4**

4cp

**Components:***Architectural Practice 3, Weighting: 1.0*

This component covers the *Architects Act*, Regulations and Professional Bodies, and Law and Management. It provides students with the following:

1. a background to statute and common law and the operative legal systems, together with the laws of torts, contracts and agency, in their implications to architectural practice;
2. an introduction to management theory and the processes of forecasting, organising, planning, motivating, controlling, coordinating and communicating.

*Architectural Experience*

See 11924 Component Architectural Experience.

**11945****Honours Elective Thesis**

*24cp; prerequisites: successful completion of all subjects in Years 1, 2 and 3, including Honours Qualifying, at credit level*

This subject involves the preparation of a thesis (c. 20,000 words) under the supervision of an approved staff member and on a topic approved by the Program Director, the supervisor and the student. Topic choice will be conditional on adequate supervision in that area being available within the Architecture program, or elsewhere subject to the approval of the Architecture Program Director.

**11946****Design Honours**

6cp

This is an additional coursework subject demonstrating design and technology skills at an advanced level.

**11951****Architectural Design and Technology 1**

*17cp; prerequisite: BA in Architecture or equivalent*

Within the fifth and sixth years of the course the importance given to architectural design and to the integration of design with technology remains paramount, with the two previous subject strands amalgamated into a single subject. Project-based exercises are developed to a greater level of complexity than in the previous years. Again, in all stages of the design program there is a determination to demonstrate the relevance of linking theoretical studies and applied knowledge in critical assessments.

**Components:***Projects 5, Weighting: 0.7*

Studies in this component concentrate on two diverse areas of work. One focuses on the micro level of the individual building where a major public project, involving large-span technology and complex servicing, is selected to be designed in detail. The other involves a study of part of an urban area of a town or city, where the physical, economic and social infrastructure, as well as the built form of the place, has to be redesigned or modified to accommodate change.

*Environmental Science 5, Weighting: 0.3*

This component involves the specialist application of all prior learning in respect of environmental science, integrated with the Design and Technology component Projects 5.

**11953****Theory Studies 5**

*10cp; prerequisite: BA in Architecture or equivalent*

**Components:**

*Theory and Architecture 4, Weighting: 0.5*

In this component students must choose from a range of alternative seminars offered. In 2000, the following may be available, subject to staff availability:

1. Exploring Space 1: From Simple Beginnings to Baudrillard
2. Building, Dwelling, Thinking: Towards a Phenomenology of Place
3. The Future of the Office
4. Access Equity and Design
5. The Evolution of Technology
6. Fire in Atria

*Urban Studies 3, Weighting: 0.5*

This component examines the phenomenon of the suburb and the role of 19th century philanthropists and social reformers in its development. The dynamics of social change, especially with reference to changing patterns of urbanism are also covered.

**11954****Professional Practice 5**

*5cp*

**Components:**

*Architectural Practice 4, Weighting: 1.0*

This component addresses marketing theory and practice as it relates to architectural practice. It focuses on the financial management of architectural practices and architectural projects including building contract cost control, with relevant operations research.

*Architectural Experience*

See 11924 Component Architectural Experience.

**11956****Master's Research Elective**

*32cp; normally 8hpw over two years; prerequisites: BA (Honours) in Architecture or equivalent*

The Master's Research Elective is offered in Years 5 and 6 of the course. Candidates for the degree of Master of Architecture must complete this program in addition to all the subjects required for the award of the Bachelor of Architecture degree.

The Master's Research Elective subject is valued at 16 credit points per year over two years. The subject is divided into two components:

1. a theory component (Master's Research Elective – Theory) involving the preparation of a written dissertation;
2. an applied component (Master's Research Elective – Application 1 and 2) involving the demonstration by projects of an advanced level of architectural and urban design and technology. This component involves two distinct programs of work, as outlined below.

Students choosing to undertake the Master's Research Elective component after completion of all subjects required for the Bachelor of Architecture degree, must do so over a single year and thus must take both the above Applied programs simultaneously.

**Components:**

*Master's Research Elective – Application 1, Weighting: 0.2; 3hpw; Year 5; Semesters 1 and 2*

This component involves studies in restructuring the city and the remodelling of its infrastructure, both physical and non-physical. It includes case studies at the micro level of the individual building to demonstrate principles of this procedure in practice with studio-based projects to confirm its application.

*Master's Research Elective – Application 2 Weighting: 0.2; 3hpw; Year 6; Semesters 1 and 2*

In this component students undertake design projects to demonstrate an ability to synthesise all aspects of the design process in creating or re-adapting major buildings, and locate them or reconnect them into new or existing physical settings.

*Master's Research Elective – Theory*  
*Weighting: 0.6; 5hpw; Years 5 and 6;*  
*Semesters 1 and 2*

This component involves the preparation of a written dissertation (c. 30,000 words) under the supervision of an approved staff member and on a topic agreed to by the Director of Dissertations and the candidate.

### **11961**

#### **Architectural Design and Technology 2**

*17cp; prerequisite: 11951 Architectural Design and Technology 1*

##### **Components:**

*Projects 6, Weighting: 0.7*

This component requires the development and presentation of designs embodying all aspects of the design process which, in their synthesis, take account of socioeconomic, cultural and physical determinants.

*Environmental Science 6, Weighting: 0.3*

This component involves the specialist application of all prior learning in respect of environmental science, integrated with the Design and Technology 2 component Projects 6.

### **11963**

#### **Theory Studies 6**

*10cp*

##### **Components:**

*Theory and Architecture 5, Weighting: 0.5*

In this component students must choose from a range of alternative seminar programs offered. In 2000 the following may be available, subject to staff availability:

1. Exploring Space 2: Cyberspace, Politics, Power
2. Body, Gender, Space
3. The Future of the Office
4. Access Equity and Design
5. The Evolution of Technology
6. Fire in Atria

*Urban Studies 4, Weighting: 0.5*

This component examines the following topics: regional and urban planning issues in their social context and governmental framework; planning procedures and current ideologies in planning; and infrastructural decision making in the context of city restructuring.

### **11964**

#### **Professional Practice 6**

*5cp*

##### **Components:**

*Architectural Practice 5, Weighting: 1.0*

This component involves the study of building contracts. It covers the following topics: seminars on the legal base of the provisions of building contracts; comparisons between forms of contracts in current usage and their administration with case studies of practice situations; and role playing, dispute resolution and negotiation skills.

*Architectural Experience*

See 11924 Component Architectural Experience.

### **13998**

#### **Architectural Experience**

Students are required to accumulate at least the equivalent of 192 weeks of approved professional experience concurrently with their studies, and must satisfy the requirements of the Faculty Board in the relevant Experience subject, in order to graduate.

### **16001**

#### **Preparatory Studies**

*8cp*

This subject helps students to develop professional communication, management and computing skills. It covers basic research methodologies including library skills, information gathering, dissemination and analysis, written communication skills, incorporating formal correspondence, essay/report writing and English expression. It also focuses on verbal communication and client presentation skills, marketing principles, strategies and techniques or survey methods.

### **16010**

#### **Construction Project 1**

*8cp*

Introduction to the basis of the program i.e., that construction is a process (or series of processes), which needs to be managed if building projects are to be successfully completed in terms of time, cost scope, and quality. The course provides an overview of the functions of management with an introduction to time, quality and cost management. Project case studies in this initial stage will relate to simple sheds and single storey domestic construction. There is an introduction to some of the most common building trades.

**16020****Construction Project 2***8cp*

Management of the process is further advanced with the issue of materials handling formally addressed along with the management of safety. Negotiation is introduced. Time, cost, scope and quality management are further developed. Project case studies relating to multi-residential and industrial buildings are utilised in this subject. The analysis of relevant trades continues.

**16030****Construction Project 3***8cp*

The management of the building process concentrating on the physical sequencing and assembly of multi-storey or large construction. Emphasis is on the evaluation of techniques and technology of construction as linked to the human resource management issue. Multi-storey construction is examined in the case studies. The remaining trades are examined.

**16040****Construction Project 4***8cp*

Management of the construction process in the services, refurbishment and multi-building environments. This subject brings together much of the work developed in the earlier subjects but in new areas and at a more advanced level. The project case study will concentrate on the physical sequencing and assembly of services, of refurbishment/recycling of obsolete buildings and of the commissioning and maintenance of buildings.

**16050****Building Assessment Techniques***4cp*

The subject will be aimed at providing the student with the skills necessary to assess the technical condition of new and existing buildings and methods appropriate to each of the various building components (including services) will be covered. The assessment of the technical condition of existing buildings and the impact of that condition on possible future use of the building. Detailed knowledge of the construction methods used in the past and the likely deterioration with time that would be expected of the building elements.

**16051****History of Building Construction Methods***4cp*

The subject is aimed at giving the students an appreciation of the worth of old buildings. It will cover the history of building construction methods through the ages.

**16052****Water Around Buildings***4cp*

This subject examines many aspects of water as it affects finished buildings. These aspects are: disposal of unwanted water, and the diagnosis and remediation of dampness problems.

**16053****Mentoring and Professional Development***4cp*

Develops mentoring and human communication skills which are vital in professional life. Emphasis is on developing leadership skills as responsibility is placed on the mentors (final year students) to interact with their allocated students. The course aims to develop supervisory and management skills, training skills, and offers a controlled situation where the necessity for good communication skills can be learnt at first hand. This subject aims to address issues of first year students through input from final year students.

**16054****Natural Disasters and Risk Assessment***4cp*

The subject will be aimed at providing the student with the skills necessary to understand the level of risk associated with new and existing buildings. Students will be taught the basic mechanisms responsible for causing natural disasters and how to statistically assess their likelihood of occurrence. Natural hazards and their management will be examined together with risk assessment techniques and regimes, quantitative methods, risk reduction and management.

**16055****Sustainable Building Technologies***4cp*

The subject will be aimed at providing the student with the skills necessary to evaluate the embodied energy and energy efficiency of existing construction methods as well as

introducing alternative and more energy efficient methods. It will also cover the issues surrounding recycling of building materials.

### 16056

#### Building Control and Regulations

4cp

This subject will provide undergraduate students with an understanding of the New South Wales building control system and the technical requirements of the Building Code of Australia.

It will also provide students with sufficient knowledge for them to be able to review proposed building designs with respect to the fundamental requirements of the Building Code of Australia.

### 16057

#### The Evolution of Technology 1

4cp

An exploration of the history of technology will be the focus of this subject and the role of invention and design innovation in the process of economic growth and social development. An introduction to chaos theory and complexity and the evolution of technology will bring together two of the most potent forces in our history for exploration and analysis. The semester evaluates technology in the modern context of the sciences of complexity. The dialectic between technology and evolution is considered, as we gain evolutionary responsibility on the one hand and technological tools for this task on the other.

### 16058

#### The Evolution of Technology 2

4cp

This subject will be based on an examination of a series of case studies of major technologies and their effect on economic growth and social development. There is particular emphasis on the role of 'growth poles' and competition, both in innovation and in the dissemination and adoption of new ideas, memes, materials, tools, methods and systems. The effects of technological change on the environment, the structure of the global economy and patterns of employment are considered. The rapid growth of communications and information technology is investigated in the context of employment, democracy and privacy issues. The potential impact on specific industries and their related professions over the next two decades is considered by constructing probable scenarios and use of foresighting techniques.

### 16059

#### International Construction

4cp

International construction aims to introduce students to construction industry structure, practices and methods of construction adopted in various parts of the world. The subject will cover current practices and future trends in various countries. International approaches to construction procurement, management practices and construction resource availability, requirement and usage. The impact of local economic, labour and technical parameters on construction management. Staffing for international projects. Areas of competitive advantage in international construction.

### 16111

#### Construction 1

8cp

This subject covers residential construction for single occupancy. Topics covered include: terminology and detail design of typical residential buildings; footings, floor, wall and roof framing, cladding, windows and doors, finishes and joinery; building regulations; interpreting architectural drawings and sketching construction details; model making; concurrent practical studies and field work.

### 16112

#### Construction 2

8cp; prerequisite: 16111 Construction 1

This subject looks at residential construction for multiple occupancy and is centred on terminology and detail design of typical attached housing, including: duplex, villa, townhouse, cluster housing and walk up flats. Topics will include: footings, floor, wall and roof framing, cladding, windows and doors, finishes and joinery; interpreting architectural drawings and sketching construction details; building regulations; model making; industrial construction; terminology and detail design of typical industrial buildings; as well as concurrent practical studies and field work.

### 16113

#### Construction 3

8cp; prerequisite: 16112 Construction 2

The focus of this subject will be multi-storey commercial construction. Detailed attention will be given to: footings, sub-surface drainage systems, basement construction, load-bearing wall systems, concrete framed buildings and

steel framed buildings for multi-storey construction; transportation and placement of concrete; prestressed and post-tensioned concrete; prefabricated construction; scaffolding; building regulations together with concurrent practical studies and field work.

### 16114

#### Construction 4

*8cp; prerequisite: 16113 Construction 3*

This subject continues the analysis of multi-storey commercial construction. Topics include: shoring, formwork, stair and ramp construction; curtain walling, built-up roofing systems, doors and frames, partitions, suspended ceilings and finishes; construction techniques and equipment used for temporary works, site preparation and demolition; earthmoving and soil compaction equipment, compressed air services, piling systems and associated plant, dewatering, blasting equipment and landscaping; refurbishment and restoration of buildings; building and fire safety regulations and requirements; occupational health and safety; as well as concurrent practical studies and field work.

### 16115

#### Construction 1

*8cp*

Construction technology for residential buildings. Terminology and detail design of typical construction solutions. Footings, floor, wall and roof framing, cladding, windows and doors, finishes and joinery. Weatherproofing. Building regulations and standards, including fire safety. Model building. Concurrent practical studies and fieldwork.

### 16116

#### Construction 2

*8cp; prerequisite: 16115 Construction 1*

Construction technology for low rise industrial and commercial buildings. Terminology and detail design of typical construction solutions. Steel framed and concrete framed structures. Underpinning, retaining walls and basement waterproofing. Load bearing wall systems. Tilt-up and lift-up construction. Precast floor and wall panels. Roofing systems. Site establishment, hoardings and temporary facilities. Building regulations and standards, including fire safety. Concurrent practical studies and fieldwork.

### 16117

#### Construction 3

*8cp; prerequisite: 16116 Construction 2*

Construction technology for high rise commercial buildings. Terminology and detail design of typical construction solutions. Prestressed and post-tensioned concrete. Curtain walling. Built-up roofing systems. Slip form and jump form construction. Partitioning and suspended ceiling systems. Scaffolding. Prefabrication. Innovation in construction. Automation and robotics. Building regulations and standards, including fire safety. Concurrent practical studies and fieldwork.

### 16118

#### Construction 4

*8cp; prerequisite: 16117 Construction 3*

Refurbishment and rehabilitation of buildings. Adaptive reuse. Demolition. Maintenance and defect rectification. Workmanship problems, common building defects and their avoidance. Waste minimisation and recycling. Building regulations and standards, including fire safety. Introduction to civil engineering construction. Concurrent practical studies and fieldwork.

### 16131

#### Professional Practice

*4cp*

This course will cover the history and definition of professionalism, the organisation of professions in the building field, responsibilities of consultant to client, third party and community, conditions of engagement and indemnity insurance.

### 16150

#### Land Studies 1

*8cp*

This subject looks at the history, political economy and sociology of real property, investment, and land administration; ethical fundamentals for the analysis of land investment and professional practice, and an introduction to logical analysis and presentation skills necessary for academic development.

**16152**

**Land Studies 2**

4cp

This subject looks at the physical aspects of land definition, including land information, title, subdivision and measurement technology. It gives students an overview of the various types of land and engineering surveys and plans. It also covers the following topics: the applications of land surveying in land economics; finance and investment issues and techniques associated with real estate assets; and the use of debt finance for real estate investment.

**16153**

**Building Technology**

6cp

In this subject students learn about the technology of components and elements of domestic, commercial and industrial buildings, both low and high rise. This covers the following topics: structures; facades; partitions; services; relevance of ordinances; and aspects of refurbishing.

**16155**

**Facility Evaluation**

4cp

The objective of this subject is to assess the effects of aspects of the design of buildings on user comfort, energy usage, aesthetics and safety. It covers orientation, use of materials, layout, services, ageing of buildings, and relationships of buildings to structures.

**16161**

**Statistics**

8cp

The study and use of statistical tools appropriate to construction economics. Data collection and presentation, descriptive statistics, graphical techniques, probability and distribution, index numbers, statistical inference, time series, correlation and regression analysis. Computer-aided instruction and software applications.

**16163**

**Appraisal and Statistics**

8cp

The use of mathematical, statistical and computing techniques in financial applications and computer applications for Land Economics are studied in this subject.

**16198**

**Building Experience (P/T)**

**16201**

**Drawing and Surveying 1**

4cp

Detailed examination will be given to the following topics: drafting and graphic skills including lettering, plane and solid geometry and projections; use of drawing to solve detailing problems; selection of scales and mode of presentation to communicate; use of drawings in the building process; architectural floor plans, reconciliation of dimensions, the meaning of lines, building terms, use of references; the process of setting out works; extractions of information from surveying drawings, levels, contours; the choice of setting out techniques; the use of tape, level, theodolite and optical plummets; the NSW land title systems and the powers of public authorities.

**16202**

**Drawing and Surveying 2**

6cp; prerequisite: 16201 Drawing and Surveying 1

Topics covered will include the further use of drawing/s in the building industry context as a means of communication; introduction to the use of Computer Aided Design (CAD) and its uses in the construction discipline; the application of practical building setting out, checking and levelling techniques; and field work involving the use of building surveying equipment.

**16211**

**Computations, Mathematics and Statistics**

6cp

The mathematics and statistics components of the subject are intended to assist exploration and application of functions and graphs, differentiation and integration. Other topics which will be taken up are: an introduction to matrix algebra; chance and probability, permutations and combinations; presentation of data; average and means, central tendency; scatter, standard deviation, variance; distribution: binomial, Poisson, normal, confidence; correlation and regression; application of statistical methods of quality management; statistics, operations research techniques and process capabilities. The computing component of the subject is intended to develop the students' basic knowledge of computing

and an awareness of industry specific software. It is structured to allow them to further develop these skills through the solving of suitable problems.

### 16221

#### Project

12cp

This project will involve the detailed investigation of a topic by literature search, laboratory experiment or survey and the production of a large report to a professional standard.

### 16224

#### QS Project

8cp; alternative to 16506 *Quantity Surveying Practice (8cp)* and *Unspecified Elective (4cp)*

This subject requires students to prepare and submit a major project, involving the detailed study of an individual topic related to the field of construction economics.

### 16225

#### QS Project (Summer)

12cp; (one semester); part of the *Semester Bridge (summer term)*

This subject requires students to prepare and submit a major project, involving the detailed study of an individual topic related to the field of construction economics. The subject has a distance learning component which prepares students prior to formal commencement.

### 16300

#### Industry Studies

12cp

This subject involves the analysis of project case studies collected in-country. Ten projects of similar type are examined critically and quantitatively using statistical tools as appropriate. Construction performance is assessed by comparison of these projects with those collected by other students. The subject culminates in a group presentation that aims to highlight international best practice and the significance of different industry cultures.

### 16301

#### Services 1

6cp

An introduction to electrical, air conditioning, vertical transportation and fire protection services and systems, this subject covers terminology, design and construction requirements.

### 16302

#### Services 2

4cp; prerequisite: 16301 *Services 1*

This subject will include: an introduction to hydraulic, security services and systems, intelligent buildings and an in-depth study on coordination, integration, installation and inspection of services, safety and access requirements.

### 16310

#### Engineering Services

8cp

This subject is an introduction to hydraulic, electrical, airconditioning, vertical transportation and fire protection services and systems. It includes the study of the following: computer networks, security systems and monitoring technologies; terminology, design, coordination and construction requirements; the cost implications of engineering services; and intelligent buildings.

### 16351

#### Introduction to Valuation

6cp

This subject is an introduction to the valuation profession, its role and function within the real property industry. Basic methodology and technical tools of the valuer will also be studied.

### 16352

#### Valuation Methodology

8cp

This subject is an in-depth study of the role, functions and obligations of the valuation profession. Areas studied include the following: methods of valuation; time value of money; measures of rates of return; resumption and acquisition values; the use of statistical analyses in valuation practice. Practical studies and field work are included as part of the requirements for this subject. Part-time students may be exempted from this practical studies component.

### 16353

#### Advanced Valuation Methods

8cp

This subject is designed to provide an extensive and in-depth knowledge of real estate feasibility studies for development and investment projects. Practical studies and field work are included as part of the requirement for this subject.



### 16354

#### Rural Valuation

6cp

This subject is an in-depth study of the purpose and methodology of valuing non-urban and rural properties, and an introduction to the importance of agriculture in the Australian economy. Practical studies and field work are included as part of the requirements for this subject.

### 16355

#### Specialised Valuation Topics

8cp

This subject is an in-depth study of the more specialised areas in the valuation profession. Capitalisation, summation and replacement cost approaches are developed, and practical studies and field work are included as part of the requirements for this subject.

### 16356

#### Statutory Valuation and Litigation

4cp

Valuation case law is discussed in this subject. Expert witness testimony and specialist report writing are covered with particular reference to professional negligence.

### 16361

#### Real Estate 1

6cp

This subject is an introduction to the real estate industry examining the statutory controls and professional ethics and applying them to agency practice. The role and responsibilities of the real estate agent will be examined including marketing, selling of real estate and residential property management.

### 16407

#### Building Communications

6cp

Develops human communication skills and promotes understanding of the communication process. Emphasis is on business writing and effective speech communication. Intensive writing practice will be related to communication principles. Teaching will be by lectures for communication principles and in small group workshops for writing and oral communication. Introduction to the applied skills of plan reading, building specifications, report writing, computer word processing, information technology systems etc.

### 16411

#### Contract Administration

8cp; prerequisite: 16801 Legal Studies 1

The principles and practice involved in the administration of construction contracts, including preparation of variations, progress claims, activity reports, cash flows and package-deal documentation are covered in this subject. Students look at the following: rise and fall provisions; general conditions of contract; specification writing; cost control of projects during construction; quality assurance; conflict management and dispute resolution; and an introduction to project management.

### 16452

#### Land Studies 3

6cp

This subject examines the relevance of organisation theory to real estate, valuation and property departments; contributions of various theorists; technology, motivation, group behaviour, structure, goals; analysis of various organisational forms; definition of responsibilities of consultant to client, third party and community; conditions of engagement; indemnity insurance; the marketing process and its application to real estate; and the auction method of selling and the role of the auctioneer.

### 16453

#### Development Management

4cp

This subject focuses on aspects of the management of projects under development or undergoing major maintenance. Topics include the following: client needs determination; procurement methods; design management including cost planning and buildability; approvals management; development of maintenance standards for and estimate of live components of buildings; maintenance budgets; assessing the effects of design on maintenance; and recording operating cycles of plant equipment.

### 16454

#### Investment and Portfolio Management

4cp

This subject is an in-depth study of the methods and techniques of investment and portfolio management. It looks at the asset

allocation process and risk and return with an introduction to the techniques of investment and portfolio analysis.

## **16456**

### **Real Estate 2**

*8cp*

This subject focuses on the management of large complex properties, the study of strata management and the role of the strata manager. Topics covered include development and administration of systems for market research, rent collection, tenancy management, investment taxation and negotiation.

## **16501**

### **Quantity Surveying 1**

*8cp*

This subject is an introduction to quantity surveying services and methods and covers the measurement and calculation of simple quantities in accordance with the current Australian Standard Method of Measurement. Students learn the principles of measurement, set-out and notation, and carry out measurement exercises. Professional development and the role of professional associations is also discussed.

## **16502**

### **Quantity Surveying 2**

*8cp; prerequisite: 16501 Quantity Surveying 1*

This subject looks at the application of information technology and information exchange to the quantity surveyor. It also covers the following topics: future trends and the impact of computers on traditional roles; the investigation and use of specialist software and equipment for the measurement and presentation of quantities; measurement exercises involving superficial areas of construction elements as an introduction to cost planning; computer-aided design; and the automatic production of quantities.

## **16503**

### **Quantity Surveying 3**

*8cp; prerequisite: 16502 Quantity Surveying 2*

This subject teaches students about the preparation and uses of a bill of quantities and types of documentation formats in common use. They will acquire competence in preparing trade packages within a bill of quantities in accordance with the current Australian Standard Method of Measurement.

The subject also covers the following topics: measurement rules and procedures; the measurement of engineering services, such as hydraulics, electrical, mechanical and fire protection systems; and alternative methods of measurement.

## **16506**

### **Quantity Surveying Practice**

*8cp*

This subject is a critical examination of the quantity surveying profession and its future. It covers the following topics: professional practice, ethics and codes of conduct; professional liability and indemnity; taxation law and depreciation; setting up and running a professional practice; organisational theory and management; industrial relations; international construction and opportunities; and topical issues affecting the profession and the industry.

## **16513**

### **Economic Analysis**

*8cp*

This subject covers the following topics: the application of economic analysis to construction and property industries; the measurement of economic performance using industry and project indicators; forecasting techniques and the impact of economic assumptions; the industry restructuring and microeconomic reform agenda in Australia; the role of innovation in the construction process; and the impact of information and communication technologies.

## **16515**

### **Building Company Performance**

*6cp*

The objective of this subject will be to provide students with a thorough understanding of the financial operations of companies and the factors which affect their financial performance.

## **16516**

### **Development Appraisal**

*4cp*

The objective of this subject is to acquaint students with the economic and political framework within which developers have to operate and to provide them with the necessary technical tools to carry out a full feasibility study of a development proposal, with a strong emphasis being placed on environmental considerations. Public sector projects will also be considered.

**16521**

**Cost Planning and Modelling**

*8cp; prerequisite: 16502 Quantity Surveying 2*

In this subject students undertake an examination of the principles and practices of construction economics, including budgeting, design optimisation, preliminary estimating, cost planning and elemental cost analysis. They also look at the following: building price indices; international classification standards and practice; estimating the cost of engineering services; computerised cost modelling techniques; and computer applications.

**16522**

**Economic Development**

*8cp*

An introduction to the structure and performance of both the Australian economy and the international economy is the basis of this subject covering aspects of economics and economic theory relevant to the construction and property industries. Students are introduced to a broad range of macro- and micro-economic concepts, issues and policies relevant to Australia and its global context.

**16523**

**Advanced Cost Engineering**

*8cp; prerequisite: 16521 Cost Planning and Modelling*

This subject teaches students advanced evaluation techniques such as life-cost planning and analysis, cost-benefit analysis, multi-objective decision analysis, value management and post-occupancy evaluation. Students will prepare feasibility studies for development projects, and learn about facilities management, energy auditing, environmental considerations and sustainable development.

**16531**

**Estimating 1**

*6cp; 3hpw; prerequisite: 16543 Quantities 3*

Centred on the development of techniques and skills for the pricing of construction work, this subject will include: conceptual and bid estimating; calculation of labour, material, plant, subcontract and indirect costs; pricing of bill of quantities items; obtaining and checking subcontract quotations, and tendering procedures.

**16532**

**Estimating 2**

*8cp, 2hpw; prerequisite: 16531 Estimating 1*

A review of the techniques used in the preparation of competitive tenders for construction projects is undertaken. Tendering objectives and procedures are examined in detail. Topics will include: bidding strategy theory and practice including statistical applications; risk analysis and risk evaluation theory; probabilistic estimating techniques; and cost planning in building construction.

**16533**

**Estimating**

*8cp; prerequisite: 16501 Quantity Surveying 1*

In this subject students learn about estimating practice and techniques, including the breakdown of construction costs into labour, material, plant, subcontract and indirect cost components, pricing of bill of quantities items, obtaining and checking subcontract quotations, pricing preliminaries and overheads, tender preparation and the application of computer software.

**16534**

**Project Planning and Risk**

*8cp; prerequisite: 16533 Estimating*

This subject covers the following topics: construction planning techniques and time management; materials handling systems and their application; estimating project costs using activities and resources; techniques used in the preparation of competitive tenders for construction projects; tendering strategies, objectives and procedures; financing of construction projects; risk analysis, risk evaluation theory and computer modelling; and bidding theory and practice including statistical applications.

**16543**

**Quantities**

*6cp*

The aim of this subject is to give an introduction to measurement and calculation of construction quantities. Topics will include: principles of measurement, set-out and notation; the preparation and uses of a bill of quantities and types of documentation formats in common use; the acquiring of competence in preparing trade packages within a bill of quantities in accordance with the current Australian Standard Method of Measurement;

measurement rules and procedures; the acquiring of competency in preparation of a builder's bill; and computer measurement systems.

### **16551**

#### **Economics**

*8cp*

This subject covers two major areas of economic analysis. The first of these is micro-economics, where students learn traditional microeconomic theory but with a property market slant. Each topic covered, such as consumer equilibrium theory, production theory, competition theory, and resource pricing theory, is directly and indirectly related to the property market to ensure student understanding of the relevance, and application of each concept. The second area is macroeconomics, where students develop analytical tools which provide insight into the nature of major common issues currently of importance to Australia. The interrelationship of macroeconomic variables as well as the influence of microeconomic reform on the economy's overall efficiency is emphasised, with application to the property market stressed in each topic covered.

### **16552**

#### **Financial and Trust Accounting**

*6cp*

This subject is an introduction to basic accounting. It covers the following topics: the preparation and use of accounting information; the tools used; accounting concepts related to partnerships, corporations and manufacturing enterprise; accounting related to business funds and cash flows; trust accounting; and use of data processing.

### **16553**

#### **Finance and Investment Analysis**

*8cp*

This subject is an overview of the corporate financial system in Australia. It covers the following topics: concepts and techniques of financial evaluation; risk management; financing of investments; investment analysis and methods of financing; and quantitative methods for research and investment.

### **16554**

#### **Urban Economics**

*8cp*

This subject covers economic theories of land use including location theory, urbanisation, demographics of cities, role of levels of government, urban services, privatisation, urban problems, urban renewal and decentralisation.

### **16621**

#### **Design Evaluation**

*8cp*

This subject is an examination of the following: the factors that affect building design; the problems that architects face in designing buildings; building orientation and thermal performance; design history and philosophy; principles and terminology used by structural engineers; and structural evaluation of building systems.

### **16622**

#### **Environmental Planning**

*8cp*

This subject looks at the contextual issues which relate to human impact on the environment. These include the following: environmental impact statements; economic theories of land use including urbanisation; effects of controls; provision of services; rehabilitation and renewal; welfare provision; transportation; decentralisation; heritage considerations; environmental law and procedures; powers of environmental protection agencies; global warming and ozone depletion; international conservation issues; and policy strategies and initiatives.

### **16651**

#### **Urban Planning**

*4cp*

This subject looks at the economics of town planning, the policies of urban development, the process of development control, and the analysis of land use patterns.

### **16652**

#### **Environmental Design**

*4cp*

This subject is an introduction to the built environment and the environmental impact of cities. It looks at the concept of ecologically

sustainable development and the use of appropriate design responses to the physical and social environment.

**16721**

**Material Science**

*8cp*

This subject looks at the following topics: the properties and behaviour of building materials, in particular the characteristics of metal, timber and concrete; and material testing. It also covers the theory of architectural science; and heat, light and sound principles and their application to building design and material selection.

**16725**

**Material Science 1**

*6cp*

The properties and behaviour of building materials, in particular the characteristics of metal, timber and concrete. Material testing.

**16726**

**Material Science 2**

*6cp; prerequisite: 16725 Material Science 1*

A detailed course in concrete technology emphasising those aspects of concrete properties which are relevant to the building site. The properties and uses of mastics and sealants. Properties of surface coatings.

**16751**

**International Property Investment**

*8cp*

The subject analyses the globalisation of real estate markets and examines the factors that determine such foreign investment. Particular focus is on the Australian and the Asia Pacific property markets.

**16807**

**Introduction to Law**

*6cp*

This subject is an introduction to the legal system in Australia including sources of law, the court system and the legal personnel. It includes a detailed study of contract law and an outline of criminal law, civil law, industrial law, insurance law, dispute resolution, property law and the law of business associations.

**16808**

**Construction Law**

*6cp; prerequisite: 16807 Introduction to Law*

This subject is based on the tortious liability imposed by the law upon professionals, some major contractual problems related to the building industry and an outline of employment law and statutory industrial regulation.

**16851**

**Introduction to Law**

*6cp*

This subject is an introduction to the legal system in Australia including sources of law, the court system and legal personnel. It includes a detailed study of contract law and an outline of criminal law, civil law, industrial law, insurance law, dispute resolution, property law and the law of business associations.

**16853**

**Planning and Environmental Law**

*4cp*

This subject looks at the following topics: the principles of the law regulating development; environmental impact and conservation; and regulating bodies and courts.

**16854**

**Real Estate Law**

*4cp*

This subject focuses on the principles and details of real estate law and covers the following topics: the law relating to agents; consumer protection; sale of goods; and trade practices legislation. It also looks at the principles associated with the transfer and acquisition of property and includes the study of the various Real Property titles, the *Strata Title Act* and the responsibilities of the strata manager.

**16901**

**Structures 1**

*6cp*

An introduction to structure applied to a simple building. The building will be the project in the subject Construction Project. Theory is introduced to enable simple proportioning of members to be carried out.

**16902****Structures 2**

*6cp; prerequisite: 16901 Structures 1*

The design of simple structural elements in timber steel and reinforced concrete related to the buildings studied in the subject Construction Project. Little additional analysis is covered; most is an application of materials.

**16903****Structures 3**

*6cp; prerequisite: 16902 Structures 2*

Analysis of structural action is extended to statically indeterminate beams, frames and two-way reinforced concrete slabs. Computer analysis is used to examine structural action and to automatically design frame elements.

**16961****Project**

*10cp; prerequisites: Years 1 to 3 (of full-time) or 1 to 5 (of part-time) Land Economics course*

This subject consists of a major project, undertaken by each student, involving the detailed study of an individual topic with the preparation of a comprehensive report.

**16997****Land Economics Experience (F/T)****16998****Land Economics Experience (P/T)****51005****Creative Writing 1**

*4cp*

This subject develops the basic skills in writing for publications, technical projects, film and television through a weekly series of seminars/tutorials. Topics covered include the following: writing for various publications including books, magazines and newspapers; report writing; product support writing and copywriting; and script writing for film and television. Traditional and contemporary examples from various fields will be discussed.

**51003****Social Theory and Australian Society 1**

*4cp*

This subject provides a framework in which to examine theories about the self and society in order to reach a better understanding of the individual in relation to social, cultural and

political contexts. There is a series of lectures and tutorials on social psychology, which include the following: general introduction; social psychology of the individual; group influences upon individual behaviour; social interaction; group structure and membership; leadership; sociology and general introduction to sociology in Australia; the Marxist tradition; social mobility and elites; the Weberian tradition; anthropology and its relation to sociology; case study; and sociology and design.

**51006****Creative Writing 2**

*4cp; prerequisite: 51005 Creative Writing 1*

This subject builds on the work done in 51005, with an emphasis on prose fiction. Students explore the techniques of fictional, autobiographical, and 'new journalism', writing through set exercises and workshop examination of their own and exemplary texts.

For further details see the *Faculty of Humanities and Social Sciences Handbook*.

**51007****Media Studies**

*4cp*

This subject gives an understanding of the individual properties and potential of print, audio and visual media and their appropriate use. There is a series of lectures and discussions on basic communication theory, messages, communicators and audiences; and on properties and potentials of print, radio, TV etc. Theories of McLuhan, Schwarz and others are discussed.

**51008****Social Theory and Australian Society 2**

*4cp*

This subject provides an in-depth sociological analysis of selected aspects of Australian society and culture. It has a flexible content and structure, so that staff and student concerns may determine several themes for any semester. Examples of possible themes include the following: immigration, ethnicity and multiculturalism; gender and social power; social class and the distribution of wealth and income; and Australian popular culture.

**51388**

**Communications**

*2cp*

This subject develops human communication skills and promotes understanding of the communication process. Emphasis is on business writing and effective speech communication. Intensive writing practice will be related to communication principles, and teaching will be by lecture for communication principles and in small group workshops for writing and oral communication.

**80039**

**Aboriginal and Torres Strait Islander Art and Culture 1**

*4cp*

These lectures introduce students to a critical understanding of aspects of Aboriginal culture and facets of Aboriginal involvement in Australia's history and contemporary politics. The program contains perspectives on Aboriginal art and culture, especially in relation to communication that will be relevant to design students in their studies and careers. A willingness to accept challenges to widely held beliefs and attitudes is essential.

**80040**

**Aboriginal and Torres Strait Islander Art and Culture 2**

*4cp*

This subject introduces students to the Aboriginal history of 'Australia' and to the Aboriginal analysis of the impact of white invasion and white society on Aboriginal nations. The course will develop these analyses around 'issues' relating to dispossession, such as land rights claims, legal control and force, political control and political mobilisation, health issues, employment issues, education, art, literature, and film.

**80050**

**Marketing**

*4cp*

This subject acquaints the design student with modern marketing theory. There is a series of lectures and seminars covering such topics as: marketing and design; marketing concepts; marketing environment; segmentation; industrial and consumable marketing; planning; products and services; life cycles; packaging; promotion; and distribution.

**80051**

**Design History 1**

*4cp*

This subject gives students an understanding of the relationship of design and designers to their cultural milieu by looking at design problems, techniques and solutions from a range of cultures. The course will acquaint students with vocabularies of Western design such as Classicism and Gothic, and examine the way in which these have been exploited and amended for different needs at different times. Historical shifts in the definition of the craftsman/artisan/designer and changing social roles will be examined.

**80052**

**Design Systems**

*4cp*

This subject examines some categories of design problems and solutions that transcend professional boundaries and use systems concepts as an aid to their understanding. It includes a series of lectures and discussions on phenomena such as modularity, product evolution, designing for uncertainty and whether small really is beautiful.

**80053**

**Popular Culture**

*4cp*

This subject gives an overall perspective on the role of popular culture, especially the popular arts and design in contemporary society. A series of lectures, seminars and tutorials provides an introduction to the theory of popular culture as the dominant social context of our time and explores the popular arts, mass media and design as cultural communication. Subjects include film, cartooning, pop music, jazz, video, craft, vernacular design, print media, TV and the built environment.

**80056**

**Cinema and TV Studies**

*4cp*

The aim of this subject is to introduce students to approaches to the study of cinema and television. Through a series of lectures and screenings, various ways of gaining a more informed understanding of cinema and television material will be developed.

The material covered will include fiction and documentaries, features, mini-series and short form production. The approaches will include

silent cinema, national cinema, auteur theory, cinéma-vérité, avant-garde, genre study, melodrama and TV soap. Each of these approaches will be outlined in the context of their historical development. More specifically, the questions of form and function with reference to culture, aesthetics, technological development and economics will be addressed.

In the latter stages of the semester, students will be introduced to some of the contemporary concerns arising from recent developments to do with film and computer-based technology. In particular, the consequences for feature film development will be examined.

### 80070

#### Market Research

*4cp*

This subject provides a working knowledge of the practical application and use of survey data from independent research in solving design problems. A series of seminar/tutorials deals with the following: research design and proposal; questionnaire design; sampling; interviewing; scoring; data interpretation; industrial research; and research and segmentation of markets.

### 80071

#### Design History 2

*4cp*

This subject examines aspects of design history in the context of social and technological change from the late 18th century to the present day. Western architecture, interior design, industrial design and fashion will be focal points.

### 80072

#### Environmental Systems

*4cp*

This subject examines various aspects of artificial and natural environment systems in order to understand basic characteristics of control, system failures and the scope for human intervention in such systems. Lectures and discussions are based upon large- and small-scale systems such as energy cycles, transportation and buildings.

### 80073

#### Client Presentation

*4cp*

This subject provides students with practical skills in the planning and presentation of information and proposals to client groups

using audiovisual equipment. A series of lectures and demonstrations deals with the following: coordination of equipment; group presentations; individual presentations; planning for major presentations; and commercial applications.

### 80076

#### Visual Perception

*4cp*

This subject provides students with an exploration of how all sorts of apparently practical aspects of life, from food to dress, from illness to sexuality, even birth and death, are represented in our minds, our language and our imagery as systems of symbols, often centring on our sense of identity and our relations with others. The course will begin with a short discussion of symbolism in the psychoanalytic sense (Freud, Jung) and metaphor in the literary sense, but will have wider scope. A series of lectures, discussions and presentations will develop themes. Students will be free to negotiate topics that interest them and can be classified as part of the 'symbolic order'. Material discussed will include the work of Susan Sontag, Alison Lurie, Roland Barthes and Gordon Lakoff.

### 80079

#### Film and Television Documentary

*4cp*

The aim of this subject will be to give students an introduction to the documentary film, tracing its origins from: the Lumière Brothers at the turn of the century, through its development in the USSR from 1917, Great Britain and the USA in the 1930s and 1940s; its propaganda uses during World War II; its post-World War II educational applications in Canada and Australia under government sponsorship; its ethnographic applications, the 1960s and 1970s social and political cinéma-vérité developments in France, the USA and Australia; and finally its transformation into current affairs and general interest television formats with particular reference to Australia. Students will be required to familiarise themselves with the documentary film by attending screenings and contributing to discussions, and by the presentation of seminars or the writing of essays on selected topics within the course outline.



## 80080

### Class and Culture

4cp

This subject analyses the class structure of Australian society, drawing upon academic and vernacular sources, and emphasises the role of elite and popular culture in maintaining hegemonic class control. Topics include class and politics, class mobility, factors in class formation, and the distinctive features of the Australian class system.

## 83100

### Fashion and Textile Fundamentals

6cp

The aim of this subject is to introduce students to the process of fashion and textile design by developing a basic understanding of the fundamental elements necessary for further exploration of the design process. In textile design this will include the key components that constitute the process of design and fabrication for printed textiles: the nature of repetition, colour systems and conversion methods. In Fashion Design this will include the analysis of the form and structure of garments and the inherent relationship with textiles.

## 83230

### F&T Communications 1

6cp

Fashion and Textile Communication 1 introduces students to the systematic study of the human form and the physical world through both freehand and digital modes. The aim is to give students a greater understanding of visual language including analysis of the interrelationship of the design elements. Studio based workshops are supported by series of lectures tracing the history, trends and traditions of mark making and communication.

## 83240

### Textile Systems

6cp

This subject involves the research and analysis of the significance of textiles in society and the various systems for the realisation of textile design and fibre technology. Specifications to industry and market levels as well as approaches to design and print concepts will be studied in a series of workshops.

## 83250

### Design and Technique

6cp; prerequisite: 83100 Fashion and Textile Fundamentals

This subject aims at teaching students the basic skills fundamental to the understanding of designed form through drape and pattern making methodology and the assembly of designated garments. Students will learn the various systems and specifications of basic drape and pattern techniques. Theoretically the subject further explores the design process and the significance of fashion in society.

## 83310

### Fashion Design 1

6cp; prerequisite: 83210 Design and Technology

This subject builds on the technical aspect of fashion design through developing the basic skills of flat pattern and drape methodologies. Manufacturing methods are studied through a series of samplers and assembled garments to support parallel projects and to preempt design inquiry in later modules. Research focuses on an historical context particularly social, cultural, political and technological change. The impact on adaptation of ideas from within that context are applied into a design solution.

## 83320

### Print Technology

6cp; prerequisite: 83240 Textile Systems

The aim of this subject is to continue to develop and explore the professional field of textile design specially in relation to the technology of printed textiles. The subject subsequently deals with fibre technology and appropriate dyes, preparation of textile designs and fabrics for production, systems and processes.

## 83340

### F&T Communications 2

6cp; prerequisite: 83230 F&T Communications 1

Fashion and Textile Communication 2 develops students' understanding of visual language specifically into Fashion and Textile Design. This will include the study of fashion illustration, range and production drawings, advanced layout and typography to assist students to formulate design solutions. Studio based workshops are supported by series of lectures by industry specialists.

**83410****Fashion Design 2***6cp; prerequisite: 83310 Fashion Design 1*

This subject aims at developing further the technical conversion skills covered in Fashion Design 1. Students begin to learn to manipulate the three dimensional form, through drape and flat pattern cutting. Students will learn the benefits of using these two techniques in tandem to realise and convert their design solutions. Design and theoretical studies will focus on the significance of how fashion reflects culture and society in a 20th century context.

**83411****Sustainable Practice***6cp*

This subject introduces students to the ecological sustainable considerations, opportunities and practices that can be implemented in the design process and textile print production. Analysis and examination of the life cycle from farm to fashion will be examined in respect to ecological, social and economic impact. It will cover issues such as colouring methods, recycling and alternative design practices.

**83412****Marketing and Management***6cp*

This subject focuses on introducing students to business practices and the impact they have on design practice. The marketing component of the subject provides students with an appreciation and understanding of the relevance and application of design in the market place. It will present students with the opportunity to constructively plan, implement, analyse, and evaluate a number of design and marketing situations. The Management aspect of the subject focuses on exploring and developing the necessary skills needed as future design / managers, recruitment, counselling, staff appraisal, grievance handling, negotiations and managing goals and time.

**83510****Fashion Design 3***6cp; prerequisite: 83410 Fashion Design 2*

This subject focuses on synergy of advanced drape and pattern manipulation methodologies. Students will learn the benefits of using these two techniques in tandem to realise and convert their design solutions. Students develop and practice more complex design and

enquire into the manufacturing methods of soft tailoring. Design studies will focus on the significance of fashion in the late 20th century and beyond and will focus on the predictive process at the high end of the marketplace, how marketing drives ideas and the business of fashion, aspect of design shelf life, at varying levels of the market. Theoretical studies inquire into the changing nature of gender and identity within contemporary society.

**83520****Digital Fashion and Textiles (Elective)***6cp; prerequisite: 83340 Communication 2 (or intermediate computing skills)*

To explore the potential of digital imaging for the fashion and textile industries. Students will explore 2D and 3D digital imaging through problem-based learning projects and research. This includes a library of artifacts texture mapped for further reference. The potential of web design is explored as a tool for international profiling and marketing of design. Key issues to be explored include rapid prototyping for fashion client presentation, digital transference and output capabilities.

**83530****Research Project***6cp*

This subject is a theoretical inquiry into the contemporary nature of design at a global level. The subject covers fashion and textile issues, and broader issues that reflect and impact into the industry, within both a contemporary and possible future construct.

This subject is based on a series of lectures, seminars and tutorials.

**83610****Fashion Design Elective***6cp; prerequisite: 83310 Fashion Design 1, 83410 Fashion Design 2, 83510 Fashion Design 3*

This subject offers students the opportunity to experience working commercially in conjunction with industry on real time design projects, through to their ultimate solutions. Other choices of study include modules offered in the elective design strand.

Internally this module offers a specialisation focus into the issue of designing for men. This includes inquiry into design and the fundamental differences to designing for women. Theory looks into the history of menswear and issues around aspects of gender and dress codes.

### 83620

#### Design and Industry

*6cp; prerequisite: all prerequisite subjects from 83100, 83320, 83420, 83520*

This subject offers students the opportunity to gain knowledge about industry practice, and research a significant aspect of the fashion and textile industry through a work-based learning project. In conjunction with the professional work experienced program students will be supported in developing an individual design project. The subject is supported by lectures, seminars and industrial site visits.

### 83630

#### Professional Practice

*6cp; prerequisite: 83412 Marketing and Management*

This subject analyses the structure and workings of small design business within the framework of the fashion and textile industry. It looks at the varying constructs that can be successfully developed in a contemporary business world with the assistance of Government agencies, mentor systems and other new entrepreneurial developments. A special focus is put on the feasibility of small conglomerates.

### 83710

#### International Design

*6cp; prerequisite: 83310 Fashion Design 1, 83410 Fashion Design 2, 83510 Fashion Design 3*

This subject focuses on international design, giving a holistic view of the many facets that make design work and products sell through a global manufacturing and marketing strategy. Students work on a directional range to market internationally and within this context focus their design solutions outside their usual handwriting while impacting their personal design philosophy.

Research covers fabric sourcing, marketing and the nuances of design and manufacture involved in working at this level. Focus is on predictive not descriptive design. The subject will also consist of a series of lectures, seminars and tutorials that address current international design issues.

### 83780

#### Research Dissertation F&T

*6cp; prerequisite: 83530 Research Project*

Students are required to research a project oriented to support their personal design philosophy or interest in a design related topic. Research must be presented in a written form and may include visual components.

### 83880

#### Major Project F&T

*24cp; prerequisite: All modules in BDesign (Fashion and Textile Design)*

Major project allows students to fully demonstrate their professional ability and accumulated knowledge from the previous year's study through the development and execution of a personally prepared design brief. The project is supported by seminars and tutorials on specialised aspects of the profession. Assessment is based on the process and presentation of completed work to a professional standard to a panel of academics and industry specialists.

### 84100

#### Industrial Design Project 100

*6cp*

#### Systems

An introduction to Industrial Design from a system based perspective. How the design process interfaces with economic, social, ethical, environmental and technological systems is explored. A design task is set to develop this view and also provide a benchmark for students to gauge design skills and knowledge.

### 84221

#### Industrial Design Project 200A

*6cp; prerequisite: 84100 ID Project 100 and a minimum 15cp from 85100 Common Design Project, 84200 Design Communication, 85300 Research Methods and 85400 Design History*

#### Information

This project based subject focuses on information retrieval. The emphasis is on locating and compiling data efficiently, comprehensively, and economically within the framework of a given design task.

In addition to this primary goal students put into practise theoretical knowledge included in ID workshop 200C, with stress on the communication of design concepts and proposals.

**84222****Industrial Design Project 200B**

*6cp; prerequisite: 84100 ID Project 100 and a minimum 15cp from 85100 Common Design Project, 84200 Design Communication, 85300 Research Methods and 85400 Design History*

**Sustainability**

This project introduces students to ways in which ecological sustainability considerations can be included in the design process. Product life cycle is the central theme with each stage of the cycle examined with respect to active ecological, economic and socio-cultural systems.

**84223****Industrial Design Workshop 200C**

*6cp; prerequisite: 84100 ID Project 100 and a minimum 15cp from 85100 Common Design Project, 84200 Design Communication, 85300 Research Methods and 85400 Design History*

**Communication and design context**

A series of workshops linked to the projects but focused on factors of importance to designers. The workshops in this subject centre around communication – through writing and drawing (free and geometrical), three dimensional form and the use of computers as communication tools. Other workshop modules examine the context of design. Ergonomics, manufacturing process, marketing, engineering, and history are examined in the context of design.

**84331****Industrial Design Project 300A**

*6cp; prerequisites: 84221 ID Project 200A or 84222 ID Project 200B and 84223 ID Workshop 200C*

**Diversity**

This semester's projects centre on diversity. High volume production can compromise the needs of minority groups of users be they cultural, gender, age, or physical ability based. This first of two projects focuses on social-cultural diversity. How to recognise different social and cultural groups' interests and then address such concerns without adverse impact for the majority are explored. The relevance of niche market identification and options offered by mass customisation in coping with diversity are examined.

**84332****Industrial Design Project 300B**

*6cp; prerequisites: 84221 ID Project 200A or 84222 ID Project 200B and 84223 ID Workshop 200C*

**Anthropometric diversity**

This second of two projects dealing with diversity concentrates on anthropometric diversity. The adjustments, allowances and compromises made in the development of a product to accommodate the range of human profiles is the subject of this project. The project also focuses on the use of mechanical principals in resolving design requirements.

**84333****Industrial Design Workshop 300C**

*6cp; prerequisites: 84221 ID Project 200A or 84222 ID Project 200B and 84223 ID Workshop 200C*

**Design skills**

These workshops begin to expand on the factors examined in design context, a component of ID Workshop 200. Subjects include basic engineering, drafting, ergonomics, and materials and processes. Other workshops develop skills in rendering and computing. Design in the context of history is continued. Where appropriate the workshops support the concurrent projects.

**84441****Industrial Design Project 400A**

*6cp; prerequisites: 84331 ID Project 300A or 84332 ID Project 300B and 84333 ID Workshop 300C*

**Consolidation and research**

There are two parts to this subject. The first consists of short intensive projects designed to consolidate the base skills covered in the first half of the program. This activity spans a two week period. The second is a research based project linked to the collaborative project, ID Project Stage 5, which follows in the next semester.

## 84442

### Industrial Design Project 400B

*6cp; prerequisites: 84331 ID Project 300A or 84332 ID Project 300B and 84333 ID Workshop 300C*

#### **Collaboration**

This project introduces the practice of concurrent design to students. Students from different disciplines work together on the same project during the same time frame. The project will in part be determined by the disciplines of the participants. The project will incorporate ecodesign issues.

## 84443

### Industrial Design Workshop 400C

*6cp; prerequisites: 84331 ID Project 300A or 84332 ID Project 300B and 84333 ID Workshop 300C*

#### **Design skills, design futures**

Continues the series of workshops supporting the projects and developing skills in engineering science, engineering drafting and manufacturing, and visual communication. New directions of design and the future contexts of design is the theme for one of the workshops.

## 84551

### Industrial Design Project 500A

*6cp; prerequisites: 84441 ID Project 400A or 84442 ID Project 400B and 84443 ID Workshop 400C*

#### **Creativity**

Creativity is central to all design activity. This project focuses on the nature of creativity at the various stages of the design process and incorporates practical application of theoretical methods devised to enhance creative outcomes.

## 84552

### Industrial Design Project 500B

*6cp; prerequisites: 84441 ID Project 400A or 84442 ID Project 400B and 84443 ID Workshop 400C*

#### **Optimisation**

Designers aim to optimise a product from all perspectives. These include economic, functional, environmental, ergonomic, aesthetic and manufacturability perspectives. This project is about defining what constitutes

an optimum design and investigates the processes aimed at achieving optimum design solutions.

## 84553

### Industrial Design Workshop 500C

*6cp; prerequisites: 84441 ID Project 400A or 84442 ID Project 400B and 84443 ID Workshop 400C*

#### **Design skills, marketing**

The modules manufacturing technology, engineering science, and computing are continued with additional units focusing on applied marketing, and the study of graphics with an emphasis on the use of graphics on products.

## 84661

### Industrial Design Project 600A

*6cp; prerequisites: 84551 ID Project 500A or 84552 ID Project 500B and 84553 ID Workshop 500C*

#### **Work experience**

Students are placed in industry in order to introduce them to the realities of manufacturing and help develop an understanding of some of the implications of design decisions as they relate to the manufacturing process.

## 84662

### Industrial Design Project 600B

*6cp; prerequisites: 84551 ID Project 500A or 84552 ID Project 500B and 84553 ID Workshop 500C*

#### **Interface design**

Electronically controlled interfaces have the ability to improve efficiency, functionality, and ease the serviceability of products. This project examines the processes required to describe, plan and design appropriate electronic interfaces for consumer products and capital goods.

## 84663

### Industrial Design Workshop 600C

*6cp; prerequisites: 84551 ID Project 500A or 84552 ID Project 500B and 84553 ID Workshop 500C*

#### **Design skills, design management**

The final components of the engineering science and computing modules are joined by a CAD based rendering module. Managing the design process at macro and micro levels makes up the last of the units.

**84771****Industrial Design Project 700A**

*6cp; prerequisites: 84661 ID Project 600A or 84662 ID Project 600B and 84663 ID Workshop 600C*

**Market focus**

A manufacturer or company representative briefs the students on a real world design problem as seen from a marketing perspective. Students are required to draft a formal brief, prepare a task/time sheet, and develop a resolution to the problem. On completion they present the solution to the 'client' for feedback.

**84780****Research Dissertation ID**

*6cp; prerequisites: 84661 ID Project 600A or 84662 ID Project 600B and 84663 ID Workshop 600C*

**Design systems**

Research Dissertation ties together many of the strands of the program to date. Students examine an activity field from a design systems perspective – the tasks required to perform the activity, the current products involved, the size of the field and its complexity. In short all the systems which interact with the field of study. The aim is to find where improvements might be made and how they might be implemented, either by changes to the system or by the introduction of new or improved products. The results are compiled in a report.

**84880****Industrial Design Major Project**

*24cp; prerequisites: 84771 Industrial Design Project 700A; 84780 Research Dissertation ID*

The major project is determined by the student in consultation with staff, the topic is normally derived from research carried out in 'Research Dissertation'. The field of study largely determines the content however it is expected the project will include an analysis, solution proposal, documentation and presentation. The aim of this project is to demonstrate the skills and knowledge gained during the course.

**85100****Common Design Project**

*6cp*

The Bachelor of Design is structured with problem solving as a central focus and students are introduced to the process in the Common

Design Project subject. To solve the issues raised, the subject offers an interlocking set of studios and lectures.

The studio is the central activity of problem based learning. It gives all students an opportunity to work towards a resolution of the design problems in teams in association with a studio supervisor. The studio sessions give time for a response to the problem briefs. They are used to coordinate both individual and group activities central to the resolution of problems on the subjects of design and place and design and identity. As such, they are an indispensable part of problem-based learning and the design process.

The studio problems are supported by a series of contextual lectures. The lectures input information to the projects and therefore present a wide spectrum for design solutions based on social, cultural, political, environmental, economic and technological concerns. They also present the widest available view of design and allow for a general perspective to be developed by each student.

**85200****Design Communications**

*6cp*

This subject requires the student to undertake a series of lectures, studios and design projects aimed at developing their competency in communicating design ideas. As interior designers the issue of communication is vitally important and requires a clear understanding of making marks that represent ideas. These ideas may need to be expressed to other designers, clients, consultants or contractors. The subject will enhance the basic skills of the student in areas of free drawing/illustration, computer-generated drawing, measured drawing, and model making.

**85300****Research Methods**

*3cp*

Successful design is built from a base of relevant, current and inclusive information. This subject aims at introducing and developing the research skills needed firstly to define the boundaries of information required for any specific design task, secondly to introduce methods of locating information efficiently, and finally, processing this information so as to best support the process of design.

## 85400

### Design History

3cp

This subject gives a historical perspective on design and designers. This will be covered in lectures, seminars and/or tutorials by looking at three distinct areas:

Theory – the intellectual and philosophical framework that has shaped design in the last two hundred years. Social and Economic context – the relationship of design to the wider patterns of production and consumption. The Object – the effects of changes in materials and technology on the form and meaning of material culture.

## 85420

### Introduction to Thinking Design

2cp

This subject provides a theoretical context for the design disciplines and assists the development of critical awareness. It looks at the functioning of design practice in various economic, cultural and environmental processes, provides a critical analysis of historical and contemporary perspectives on design and pursues the implications for design of the transition from craft tradition to industrial production.

## 85430

### Design Ecology

2cp

This subject provides an ecological and ethical context for the study of design. The objective of the course is to show that ethics should be constituted at the very core of design by examining the direct consequences of design on the made world and the meaning and significance of ecology, ecological design and design ethics.

## 85440

### Design, Culture and Contemporary Thought

2cp

Underlying the theoretical context of design, this subject shows the relevance for design of theories of culture, the effects of changes in technology, and the changing relationship of technology and culture.

## 85450

### Design and Asia

2cp

This subject contributes to the general education of design students by providing a theoretical context for the idea of a 'world view' and examines the placement of design in Eastern and Western cosmologies.

## 85460

### Theories of Change

2cp

This subject assists students to situate their understanding of design in more than one cultural/temporal framework by analysis of material on foundation theories and excursion into systems theory and theories of history and comparative philosophy.

## 85470

### Criticism and Argument

2cp

This subject develops critical thinking and awareness by examining and pursuing the basis of critical perspectives, genres of criticism, the presentation of critical arguments and written and verbal presentations of criticism.

## 85700

### Interdisciplinary Project

6cp; prerequisites: contact the Faculty for further information

A project or series of projects based on collaborative work with another design discipline. Coordinated between a number of design programs, the subject allows students to explore, at an advanced level, collaborative design methodologies for complex projects.

## 86000

### Interior Methodology and Space

6cp

This subject requires the student to develop a clear understanding of design methodology and the principles of the design process. The student will gain abilities to make clear design decisions through a process of analysis and synthesis. The assignments undertaken will test the student's design process. Spatial analysis, problem solving, and visual thinking are all areas of study within this subject. The subject provides the foundation of knowledge necessary to address future design problems.

**86120****Interior Identity and Space***6cp; prerequisites: All level 100 subjects*

This subject requires the student to examine a basic understanding of purpose and meaning within interior spaces. Identity in space is achieved through the recognition and development of meaning in design elements both in their abstract form and in their material expression. Meaning can be understood in many ways, some of which will be explored by students in this subject. A series of lectures, tutorials, and design projects allows the student to explore the basic issues of meaning and identity and their effects on the designed spatial outcome.

**86131****Interior Technology – Hospitality Design/  
Food Services***6cp; prerequisites: All level 200 subjects*

This subject includes the theory, application and testing of the information required to design and document restaurants, cafes and other food service interiors. The projects will include site survey, environmental systems, planning, and the furniture, equipment and fitout of kitchens, serveries, bars and dining spaces. Client presentation and contract documents — including working drawings, specifications, details and schedules will be included in assessment. The impact upon the spatial designed outcome from the selection of the cuisine will be examined through the projects, lectures and tutorials. Local government codes, the Building Code of Australia and relevant Australian Standards will also be studied. This subject will be supported by self-paced learning packages – InTechPak Food Service Projects.

**86132****Interior Technology – Hospitality Design/  
Accommodation***6cp; prerequisites: All level 200 subjects*

This subject includes the theory, application and testing of the information to design and document hotel, motel and serviced apartment interiors. The projects will include site survey, environmental systems, planning, and the furniture, equipment and fitout of front of house, back of house and rooms.

Client presentation and contract documents — including working drawings, specifications, details and schedules will be included in

assessment. Local government codes, the Building Code of Australia and relevant Australian Standards will be studied. This subject will be supported by self-paced learning packages – InTechPak Residential Accommodation.

**86140****Residential Design and Technology***6cp; prerequisites: All level 200 subjects*

This subject includes the theory, application and testing of the information to design and document houses and apartment interiors. Through a series of lectures, projects, and tutorials, the students will gain knowledge of the various design issues involving domesticity. The projects will include site survey, environmental systems, planning, and the furniture, equipment and fitout of residential living, sleeping and utility spaces. Building access and utility services will also be studied. Client presentation and contract documents — including working drawings, specifications, details and schedules – will be included in assessment. Local government codes, the Building Code of Australia and relevant Australian Standards will be studied. This subject will be supported by self-paced learning packages – InTechPak Residential Accommodation.

**86150****Corporate Identity/Retailing Design and  
Technology***6cp; prerequisites: All level 200 subjects*

This subject includes the theory, application and testing of the information to corporate identity, design and document shopping precincts, department stores, shops and other retailing interiors. The projects will include site survey, environmental systems, planning, and the furniture, equipment and fitout of retailing spaces. Building access and utility services will be studied.

Client presentation and contract documents — including working drawings, specifications, details and schedules will be included in assessment. Local government codes, the Building Code of Australia and relevant Australian Standards will be studied. This subject will be supported by self-paced learning packages – InTechPak Commercial Tenancy.



## 86160

### Workplace Design and Technology

*6cp; prerequisites: All level 200 subjects*

Through a series of lectures, tutorials, site visits, and experimental design projects, students will gain a broader understanding of the issues faced in workplace design, specifically commercial office interiors. The interior design of workplaces is a significant focus of contemporary commercial interior design practice. Most people spend up to 40 hours a week in such interiors and depend on these spaces to fulfil a major life focus. The quality of the interior is of great importance. This subject will concentrate on the human factors within the workplace, as well as the structural, constructional and material factors that are pertinent to workplace environments. It will assist students in gaining an understanding of the elements employed to create working design solutions. Through design project work, students will explore the practical and theoretical issues involved in workplace design and apply knowledge gained in other subject areas. This subject will be supported by self-paced learning packages – InTechPak Commercial Tenancy.

## 86170

### Conservation/Intervention Design and Technology

*6cp; prerequisites: All level 200 subjects*

This subject includes the theory, application and testing of the information to design and document interiors of buildings of heritage significance that are to undergo adaptive reuse and/or conservation. The projects will include site survey, environmental systems, planning, and the furniture, equipment and fitout of the interiors of heritage listed spaces. Building access and utility services will be studied. Client presentation and contract documents – including working drawings, specifications, details and schedules will be included in assessment. Heritage Act, Conservation Charters, local government codes, the Building Code of Australia and relevant Australian Standards will be studied. This subject will be supported by self-paced learning packages – InTechPak Heritage Projects.

## 86190

### Special Industry Project

*6cp; prerequisites: At least 18cp from 300/600 group*

This subject requires the student to explore beyond their basic understanding of the selected subject matter within the Industry stream. It is offered only to third year students who have completed all prerequisites in the Interior Industry stream and who are capable of being involved in independent study. Students will explore a particular area of interest in the Industry subject stream through a self-directed learning contract. This flexible learning approach allows for the student to further examine this area of study in greater detail, or to explore another issue relevant to the interior design industry that has an application to their academic and career development. Projects that may be offered may respond to special conditions within the community and/or faculty. The Interior Design Program Director will appoint an academic supervisor for the Special Industry Projects, the range of projects will be limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students.

## 86230

### Historical Models of Space

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to examine the various models of spatial manipulation from the classical roots of Western design tradition, through Eastern expressions of space, and concluding with the evolution of modernity in the development of Free Space. Through a series of lectures, studios, and tutorials, the student will research, study and undertake projects to acquire a comprehensive understanding of the central principles of spatial manipulation as traced from their historical roots.

## 86231

### Classical Space

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to explore the classical roots of Western design tradition. It gathers together design movements that have been derived from classical Greek and Roman traditions. The starting point of this subject is the Italian Renaissance, where architecture, design and fine art reinterpreted the traditions

of Ancient Rome and Greece. The spread of the classical styles through Europe are explored including the impact of Mannerism, Baroque and Rococo. The course then traces classical influences through neoclassicism of the 19th century; 20th century totalitarian in Italy and Germany (Speirs, Paragno Guerrini) and postmodern eclecticism (Aldo Rossi, Michael Graves, Ricardo Bofill). The subject gives to the student an understanding of the principles of classical composition, which has formed the basis of the majority of Western design. Through a series of lectures, studios, and tutorials, the student will research, study and undertake projects to acquire a comprehensive understanding of the central principles of spatial manipulation as traced from their historical roots.

### 86232

#### Eastern Space

*6cp; prerequisites: All level 200 subjects*

This subject investigates a number of traditional design approaches, which have developed over millennia in non-Western cultures. It will place design as a physical manifestation of culture in the context of religious and spiritual beliefs. Students will see that design decisions can emanate from ordering principles that set design as a mediator between humankind and the cosmos. The subject will offer an alternative to Western concepts of design and social structure. Proportioning systems, spatial rules and symbols, material usage, climatic response, craft traditions and decoration will be studied within each cultural tradition. Through a series of lectures, studios, and tutorials, the student will research, study and undertake projects to acquire a comprehensive understanding of the central principles of spatial manipulation as traced from their historical roots.

### 86233

#### Free Space

*6cp; prerequisites: All level 200 subjects*

This subject traces the abrupt break from the overt decoration and ornamentation of late 19th century Western design to the essentialism of the modern movement. The subject will critically analyse the evolution of 20th century design and its impact on contemporary practice. The socio-political roots of modernism will provide a background to the study of cultural influences on design during this period. Through an understanding of the theories that underpin the modern movement, students will

gain a greater understanding of the processes of design activity. A series of lectures, studios and tutorials together with student research, study and projects, will provide a comprehensive understanding of the central principles of modern spatial manipulation.

### 86240

#### New Technology and Space

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to develop a clear understanding of the effects of new technologies that extend the discipline of interior design. Information technology and digital media in the form of drawing and CAD packages will be examined in detail. The emphasis will be on communication technologies, but new developments of other technologies that affect interior design will also be explored. A series of lectures, tutorials, workshops, and design projects allows the student to examine these issues in detail. The assignments will allow the student to appreciate the changing technologies and implement these changes and the associated skills into other design subjects.

### 86250

#### Behaviour and Space

*6cp; prerequisites: All level 200 subjects*

This subject introduces the student to the relationship between spaces and the behaviour they are designed to contain. Using a cross-disciplinary approach, ideas and methods from the fields of; sociology, psychology and anthropology are used to develop the student's awareness of the interaction between people and their environment. The topics explored in this course suggest that this interaction can be both positive (e.g. high visit rates) as well as negative (vandalism). This course also seeks to establish the conceptual limits relating to behaviour within which designers must operate in professional practice. Through a series of lectures, studios, and tutorials, the student will research, study and undertake projects to acquire a comprehensive understanding of the central principles of spatial manipulation and its relationship to human behaviour.

### 86260

#### Gender Space

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to examine issues related to gender spaces, which traces the relationships between construction and

gender definition. The subject draws from writings on gender politics, cultural theory and identification and presents a number of positions on the relationships between these theories and the practice of design. The subject further develops the student's understanding of the issues that underscore the design process, placing design within a context of cultural theory. This will allow the students the abilities to develop considered design responses within a contextual framework. Through a series of lectures, studios, and tutorials, the student will research, study and undertake projects to acquire a comprehensive understanding of the central principles of spatial manipulation from a gender specific perspective.

### 86270

#### **Semiotics and Space**

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to examine basic principles of semiotics and post-structuralist theories that affect spatial manipulation. A series of lectures, tutorials, and design projects allows the student to explore the visual language and the issues of signs and their meaning. Detailed projects on these topics will provide the student with the knowledge to design meaningful human interior built environments.

### 86280

#### **Interior Theory and Space**

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to develop information retrieval and data collection tools along with analysis skills for use in interior design studies and research. Emphasis will be on the methodology of the research process. The students are required to undertake a series of assignments, which will test their research skills in the area of interior design theory. The subject will also require the student to demonstrate an understanding of the critical issues facing interior design, and to critically analyse these issues. An understanding of the current design theories presented through a series of lectures, seminar presentations and discussions will enable the student to develop their own philosophical approach to their work. This subject provides skills, information and issues necessary for the completion of Design Dissertation and Major Project.

### 86290

#### **Special Elements Project**

*6cp; prerequisites: At least 18cp from 300/600 group*

This subject requires the student to explore beyond their basic understanding of the selected subject matter within the Interior Elements stream. It is offered only to third year students who have completed all prerequisites in the Interior Elements stream and who are capable of being involved in independent study. The student will explore a particular area of interest in the Interior Elements subject stream through a self-directed learning contract. This flexible learning approach allows for the student to further examine this area of study in greater detail, or to explore another issue relevant to an Interior Element that has an application to their academic and career development. Projects that may be offered may respond to special conditions within the community and/or faculty. The Interior Design Program Director will appoint an academic supervisor for the Special Elements Projects, the range of projects will be limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students.

### 86320

#### **Material Science and Interior Space**

*6cp; prerequisites: All level 100 subjects*

This subject requires the student to develop a clear understanding of material technology and structural principles as they may be applied to interior design. Through practical application, the student will gain knowledge of the behaviour of materials within structural systems. Assignments are focused on developing a sensitivity to the issues of material and structural systems gained through first principles and not through lengthy engineering calculations and analysis. The subject provides the foundation of knowledge necessary to address future design problems. This subject will be supported by self-paced learning packages – InTechPak Primer.

### 86331

#### **Environment and Interior Space**

*6cp; prerequisites: All level 200 subjects*

This subject includes the theory, application and testing of the information to design and document interior spaces with a focus on the impact of the natural and artificial environ-

ment factors. Macro and micro environmental issues will be studied with emphasis on the impact they have on human occupation and availability of limited resources. The projects will include detailed surveys of existing environmental factors and the impact that changes to the environment wrought by the design requirements have on the interior space. Environmental impact studies, assessments and audits will be prepared. The projects will include site survey, environmental systems, planning and fitout of human occupation spaces. Client presentation and contract documents — including working drawings, specifications, details and schedules will be included in assessment. Local government codes, the Building Code of Australia and relevant Australian Standards will be studied.

### 86340

#### Light and Space

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to examine the principles of lighting interior spaces and their application in designing interior spaces that satisfy human needs of comfort and security. A series of lectures, tutorial exercises, research projects, site visits and applied design projects will allow the students to gain experience in using light to enhance the quality of the interior space. The issues of daylight and artificial lighting raised in the lectures will be explored through detailed design projects that investigate the manipulation of the interior space to achieve the desired behavioural outcome for the users.

### 86350

#### Sound and Space

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to examine the principles of acoustics and their application in designing interiors that satisfy human needs of comfort and security. A series of lectures, tutorial exercises, research projects and applied design projects will allow the students to gain experience in using sound as a determinant of interior quality. The issues raised in the lectures will be explored through detailed design projects that look at the manipulation of the interior space to achieve the desired behavioural outcome for the users.

### 86360

#### Body and Space

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to examine a basic understanding of human physiology and its relationship to interior spaces. A series of lectures, tutorials, workshops, and design projects allows the student to explore the issues of anthropometrics, ergonomics, time-motion studies, and environmental contextual issues that affect humans within interior spaces. Detailed projects on human movement and perception will provide the student with the knowledge to design enjoyable and safe human interior built environments.

### 86370

#### New Materials and Space

*6cp; prerequisites: All level 200 subjects*

This subject requires the student to explore beyond their basic understanding of materials and related technology by pushing the limits of current technological thought. A series of lectures, tutorials, site visits, and design projects allows the student to cross the borders of the usual material domain of interior design. The assignments will allow the student to appreciate the changing technologies and implement these changes into their design projects.

### 86390

#### Special Interior Science Project

*6cp; prerequisites: At least 18cp from 300/600 group*

This subject requires the student to explore beyond their basic understanding of the selected subject matter within the Interior Science stream. It is offered only to third year students who have completed all prerequisites in the Interior Science stream and who are capable of being involved in independent study. The student will explore a particular area of interest in the Interior Science subject stream through a self-directed learning contract. This flexible learning approach allows for the student to further examine this area of study in greater detail, or to explore another issue relevant to Interior Science and Technology that has application to their academic and career development. The Interior Design Program Director will appoint an academic supervisor for the Special Industry Projects, the range of projects will be limited to the capacity of the program and the

academic supervisor to facilitate adequate study conditions and to offer support to the students. Projects offered may respond to special conditions within the community and/or Faculty.

## 86420

### Interior Communications

*6cp; prerequisites: All level 100 subjects*

This subject requires the student to undertake a series of lectures, studios and design projects aimed at developing their competency in communicating design ideas. As interior designers the issue of communication is vitally important and requires a clear understanding of making marks that represent ideas. These ideas may need to be expressed to other designers, clients, consultants or contractors. The subject will enhance the basic skills of the student in areas of free drawing/illustration, computer generated drawing, measured drawing, and model making.

## 86710

### Professional Practice and Industry Project

*6cp; prerequisites: At least 72cp from 300/600 (86 prefix group)*

Through a series of lectures, tutorials, site visits, and design projects, students will gain a broader understanding of the issues of professional responsibility and practice within the interior design profession. This subject will focus on the professional practice issues of ethics, contractual administration, and design management. These studies are furthered by the self-directed learning of the student through the research of material related to their major project topic. This subject enables the student to advance their understanding of the interior design profession, and demonstrate their comprehension of the knowledge gained so far in the course. This subject forms the supporting link with Major Project IT.

## 86780

### Research Dissertation IT

*6cp; prerequisites: At least 72cp from 300/600 (86 prefix group)*

Research Dissertation IT requires students to develop a research project in conjunction with a supervising lecturer on a topic or an area of study which supports the student's personal direction and career orientation within design practice. Topics must relate to issues of interior design (e.g. its practice, theory, philosophy, history) or to related issues such as

environmental systems or design phenomena. These topics may form the basis of the student's major project topic in the second semester. Every student will investigate a chosen topic and prepare a written paper of 8,000 – 10,000 words. It is expected that the paper will demonstrate a high standard of research and appropriate standards of referencing and expression. The text may be supported by visual material.

## 86880

### Major Project IT

*24cp; prerequisites: 86710 Professional Practice and Industry Project; 86780 Research Dissertation IT*

This subject requires the student to demonstrate self-directed learning on a selected project of their choice or one offered by the program. Advice from academic supervisors in studio sessions will assist the student select and complete their program of study. Students are required to undertake the design of a complex interior design project that will test issues raised and knowledge gained throughout the course. The project will allow students to develop an holistic solution, demonstrative of their abilities as final year design students, and require them to demonstrate a professional attitude to their work as a prelude to the practice of Interior Design after graduation. The project assessment is based on the supervisor's assessment of the student's work methods, and a panel critique assessment which takes into account the stated aims of the project and the level that they have been achieved. Preparation for this subject is carried out during the Professional Practice/Industry Project (86710) by the completion of the Major Project Research.

## 87100

### Design Projects VC 1

*6cp*

This subject introduces students to a model of design practice and the methodology of designing in the field of Visual Communication. Introductory exercises introduce the perceptual principles of visual form, structuring and dynamics which are applied to the manipulation and application of words and images in the context of effective visual communication. Design projects involve students in research, practical exploration, idea generation, creative problem solving and design processing which culminates in the visual, oral

and written presentation of completed project work. Students work both individually and in groups to encourage productive team work and improve interpersonal communication skills. Project briefs are designed to be topical, and relevant to students' interests and stage of learning. Topics encourage originality and individual creativity and include investigation into aspects of identity, myths, legends and dreams.

## 87221

### Design Studies VC 2

*6cp; prerequisites: 85100 Common Design Project; 85200 Design Communication; 85300 Research Methods; 85400 Design History; 87100 VC Design Projects 1*

This subject introduces students to the significant art and design movements and the intellectual and philosophical frameworks which have influenced and shaped visual communication design over the last century. The subject will also introduce students to the diversity of Australian culture and develop an awareness, understanding and appreciation of the visual codes and iconography that make up contemporary culture. In addition, students will be introduced to the techniques and methodologies that are necessary for developing research approaches for visual communication studies.

## 87222

### Design Projects VC 2

*6cp; prerequisites: 85100 Common Design Project; 85200 Design Communication; 85300 Research Methods; 85400 Design History; 87100 VC Design Projects 1*

This subject develops students' awareness and experience of designing in the area of Visual Communication. The theoretical understandings, sensibilities and skills acquired in previous and parallel subjects continue to be synthesised by undertaking progressively more complex design projects as individuals and in groups. Design projects introduce design for static graphics in conjunction with the more complex time based media of animation and video. This encourages design flexibility with words and images and media integration to produce hybrid forms and diverse applications. Project topics examine: the virtual world of word and image in print and on screen; the translation of sound and speech into hierarchical structures and linear forms of visual narrative; and the integration of 3D form, 2D words, images, symbols and

numeric systems into a personally published, limited edition, graphic product which is critically evaluated after user testing and before presentation.

## 87223

### Word and Image

*6cp; prerequisites: 85100 Common Design Project; 85200 Design Communication; 85300 Research Methods; 85400 Contextual Studies/ Interdesign History; 87100 VC Design Projects 1*

This subject introduces students to the languages and technologies of word and image design, processing and production. A lecture series and four practical workshops introduce the historical and contemporary applications of visual language and assist students to gain the knowledge and skills necessary for synthesis in design project work. Typography investigates the visualisation of the spoken word and written text. The form, structure and application of type is examined and applied through practical exercises to develop sensitivity to manipulating the visual structure of text communication to reinforce content. In the computer laboratory software programs (Illustrator, PageMaker, Photoshop) are introduced for the development and processing of typographic forms and applications.

In the design studio, drawing and image making workshops develop visual acuity and the ability to translate the perceived world to the two dimensional plane. Images are generated using a range of media and techniques and examined as the communication of observation and ideas. In the photography laboratory students become conversant with the photographic medium and the visual and technical skills inherent in visual production. This develops fluency in the language of photography and a personal viewpoint towards image capture and construction.

## 87301

### Design Studies VC 3

*6cp*

This subject will offer a broad range of views in relation to the contemporary context in which design operates. It will introduce key intellectual concepts in the contemporary social and political arena with particular reference to visual communication; these will include semiotics, deconstruction, hegemony, ethics, contemporary politics, class, sustainability, and user studies. Research will emphasise social

responsibility and the role of the designer. All aspects of the subject will operate in order to help each student develop a personal philosophy of visual communication design.

### **87302**

#### **Design Projects VC 3 (S)**

*6cp*

This one semester subject is available to students normally enrolled in UTS courses other than Visual Communication. It enables students to undertake study over the Autumn semester with a reduced credit point load and the requirement to complete two design projects. It is offered concurrently with 87342, VC 3/4 Design Projects. For detailed information, reference should be made to the subject description for 87342. All students seeking enrolment are required to seek academic advice on prerequisite knowledge and skills.

### **87303**

#### **Typography 1**

*6cp*

This subject advances students' awareness, knowledge and skills in the design and production of words and texts as formally and technologically typeset and as hand generated expressive letterforms. Typography lectures examine the historical development of written and sign languages in the context of contemporary applications of hand written, typographic and symbol forms. Issues of figure/ground relationships, hierarchical structures, spatial organisation and typographic detailing of headline copy and text setting for legibility and readability are critically analysed and practically examined by hand and through digital production. Computing lectures introduce the use and advanced applications of software programs (Illustrator, PageMaker, Photoshop). Laboratory practice increases computer competence and directly supports the examination and processing of typographic forms and applications.

### **87342**

#### **Design Projects VC 3/4**

*12cp*

This year long subject develops students' awareness and experience of designing in the area of Visual Communication. A number of professionally realistic, multi-disciplinary design projects introduce media complex visual communication problems which require

students to reflect on the role and responsibility of design in the past and project into the future to examine the technological and social changes that impact on society and professional practice. Project work also requires students to research, originate, critically analyse, refine, process and present visualised concepts for realisation as both static/print/exhibit reproduction and moving/animation/video transmission to an identified audience. Lectures examine the historical evolution and contemporary state of design communication and production technologies. Project workshops offer experience in the design of: printed ephemera; 3D packaging; book and magazine publications; video and animation story boarding and introduce students to aspects of print, animation and video production.

### **87401**

#### **Design Studies VC 4**

*6cp*

This subject will further investigate the concepts of modernity, post-modernity, the avant garde, technology and sustainability as they pertain to visual communication design. Continuing from the prerequisite, there will be greater emphasis on coursework that requires students to research, develop and present material which displays their personal approaches to theories and practices of visual communication design.

### **87402**

#### **Design Projects VC 4 (S)**

*6cp*

This one semester subject is available to students normally enrolled in UTS courses other than Visual Communication. It enables students to undertake study over the Spring semester with a reduced credit point load and the requirement to complete two design projects. It is offered concurrently with 87342, VC 3/4 Design Projects. For detailed information, reference should be made to the subject description for 87342. All students seeking enrolment are required to seek academic advice on prerequisite knowledge and skills.

### **87403**

#### **Typography 2**

*6cp*

Typography lectures examine the development of modernist typography and symbol design applied to historical and contemporary

advertising, publishing and corporate design. The issues of typographic detailing for legibility and readability in various applications including both static print and dynamic screen formats are critically analysed and practically examined by hand and processed through digital production. This leads to the introduction of user testing at the latter stage of the semester. Computing lectures and demonstrations further develop knowledge and skills in advanced applications of software programs (Illustrator, PageMaker, Photoshop). Laboratory practice increases computer competence and directly supports the examination and processing of typographic forms and applications.

### 87501

#### Design Studies VC 5

*6cp*

This subject gives students the background to begin to understand the structure of design businesses within the professional arenas. Issues of professional practice such as financial and tax matters and project management, copyright matters, the role of professional organisations and the contractual and other responsibilities of a designer will be covered. Students will also receive lectures on developing and applying analytical and critical approaches to design product in the context of design practice. In addition, students have the opportunity to initiate research and investigation of specific areas of design practice through visits to design studios. This will enable students to establish career paths and focus learning goals appropriate for their ambition.

### 87502

#### Design Projects VC 5 (S)

*6cp*

This one semester subject is available to students normally enrolled in UTS courses other than Visual Communication. It enables students to undertake study over the Autumn semester with a reduced credit point load and the requirement to undertake two design projects one of which may be a 'live' community oriented project. It is offered concurrently with 87562, VC 5/6 Design Projects. For detailed information, reference should be made to the subject description for 87562. All students seeking enrolment are required to seek academic advice on prerequisite knowledge and skills.

### 87503

#### Visual Technologies 1

*6cp*

Professional practice demands and each student's vocational orientation establishes the context for examining the theoretical issues surrounding the origination, perception, communication and application of visible languages including images, text and symbols, generated by hand and through media technologies. A choice of exploratory projects within this subject enables students to select a level of media specialisation which can be further developed over all later stages of study. Each project examines ways of identifying and balancing the many requirements within the successful visual communication of information and ideas by encouraging students to explore and develop a range of personal approaches, methodologies and production processes. Depending on selection, students will gain advanced knowledge of and skills in the design and production of text and image based visuals in areas of specialist practice. Options include graphics, image making, typography, photography, prepress, video, animation, multimedia and the Internet.

### 87562

#### Design Projects VC 5/6

*12cp*

This year long subject offers students a choice of realistic design projects each with a different professionally specific orientation. Formal study also requires students to gain the experience of working as a designer on a choice of live projects for a diverse range of community groups including the University. This may be undertaken as a member of the Visual Communication Design Studio which offers a design consultancy service, or as a member of a design team briefed with ongoing client consultation and supervised by lecturing staff. A five week professional placement program is incorporated into the academic year and students may apply to participate in an exchange scheme to study overseas for the Spring semester.

### 87601

#### Design Studies VC 6

*6cp*

Students will conduct a piece of self-initiated empirical inquiry of a topic of their choice under the supervision of a staff member. The



topic should, where possible, support the student's academic and professional interests and development. A range of approaches will be discussed and analysed to enable students to make informed decisions on their methodological approach. Critical analysis is encouraged. Presentation can take a variety of forms; text, images, multimedia. In order to gain a better understanding of the Visual Communication design profession, students will also participate in the Professional Placement Program.

### 87602

#### Design Projects VC 6 (S)

6cp

This one semester subject is available to students normally enrolled in UTS courses other than Visual Communication. It enables students to undertake study over the Spring semester with a reduced credit point load and the requirement to undertake one design project which may be a 'live' community oriented project and complete a period of professional placement. It is offered concurrently with 87562, VC 5/6 Design Projects. For detailed information, reference should be made to the subject description for 87562. All students seeking enrolment are required to seek academic advice on prerequisite knowledge and skills.

### 87603

#### Visual Technologies 2

6cp

This subject offers students an advanced level of typography in conjunction with image processing and production through a self directed choice of media specialisation or as personally negotiated through a learning contract. The use of advanced digital media is demonstrated and further experience is gained in an integration of typography with a choice of digital technologies including new image generation, graphics, photography, animation, video, multimedia and the Internet. Students are encouraged to integrate theory and practice and to be highly experimental in their visual research of image and text production in their chosen media. Whenever possible, projects are introduced which require students to develop ideas and collaborate in researching the integration of visible languages in various forms of multimedia and hybrid presentations.

### 87702

#### Design Projects VC 7

6cp

At this advanced level of study, students are encouraged to be self directed in their choice of projects to meet the needs of vocational goals and professional orientation. Students can select from a number of projects or negotiate a personally directed project using a learning contract (personal brief). This may be undertaken in the workplace as agreed between academic supervisor, student and employer. Projects aim to promote a continuing openness to new ideas and actively support individual and group enterprise, creative problem solving and the incorporation of change into the learning process. Through self directed study students are encouraged to engage in a critique of current work practices in visual communication and investigate the anomalies which challenge the existing framework of professional practice and the social role of design in Australia in order to consolidate the direction of final semester study.

### 87780

#### Research Dissertation VC

6cp

In this subject, students are required to undertake a research project, oriented to support their personal direction, on a topic or area of study selected by the student under the guidance of a Supervising Lecturer. The dissertation can be presented in written form or can include a substantial component of visual research.

### 87880

#### Major Project VC

24cp; prerequisites: 87770 Design Project VC 7; 87780 Research Dissertation VC

This final subject combines all study fields and completes study in the Visual Communication course. Students undertake self directed projects demanding high levels of professionalism and personal innovation. Projects are academically supervised facilitating the process whereby students confidently move through the final stage from dependence to self directed and life long learner. Assessment is undertaken by a panel of academics advised by external professional designers.

Students' personal aims to challenge existing situations, values and practices are supported through the process which also encourages students to define their place in society and

practice in order to be immediately effective and ultimately influence the future direction of current practice.

### **88302**

#### **Environmental Communications 1**

*6cp*

This subject introduces the issues and the principles of environmental communication by lectures, workshops and site visits. Students will apply and demonstrate their understanding of these issues in a design project based on a given exterior site. Students have the opportunity to devise a project relevant to their major area of study.

### **88304**

#### **Illustration 1**

*6cp*

This subject provides students with an understanding of the use of illustration as a communication tool, together with an introduction to a wide range of illustration media techniques and experience of their use in a number of applications relevant to their various design majors. A series of workshops, demonstrations and practical tasks concerned with a range of techniques and applications is undertaken.

### **88305**

#### **Photography 1**

*6cp*

This subject provides students with a command of photographic techniques and experience of their application in a range of specialist areas relevant to the various design majors. A series of seminars/tutorials and tasks is undertaken. Emphasis is placed on the visualisation of concepts and the exploration of suitable means for realising those concepts. Specific aspects of photography (e.g. fashion, product) are addressed and students are given opportunities for appropriate specialisation.

### **88306**

#### **Textiles 1**

*6cp*

This subject explores printmaking from photographic (screenprint), experimental (laser transfer) to alternatives for various materials such as textiles, wood, paper and plastics. Students will learn, through a series of workshops and studio practice, differing print methods and their application for surface design.

### **88308**

#### **Film and Video Design 1**

*6cp*

This subject provides students with an understanding of the techniques and processes involved in the design of film and video productions with particular emphasis on animation and special effects design. The first (300) level semester involves an introduction to the basic language and technology of animation and special effects design in film and video production and to the roles of the art director and other members of the design team. Subsequent semester units provide students with the experience of script analysis, design research, storyboard design and character design. A series of lectures, screenings and discussions will deal with the history, theory and practice of the screen media. Where possible, students will be presented with the opportunity for appropriate specialisation. It should be noted that this subject is not a film and video production subject but has emphasis on the design aspects of production. The subject is offered only as access is available.

### **88309**

#### **Transportation Design 1**

*6cp*

This subject provides an introduction to vehicle design and a general understanding of these complex products. The program is essentially project oriented with a theoretical component covering engineering aspects such as basic dynamics, suspension systems, drive layout and their effect on overall design. Ergonomic and aesthetic considerations will also be studied. The subject may include field trips and guest lecturers.

### **88310**

#### **Design and Sustainable Human Futures 1**

*6cp*

Ecological crisis is now a fact of life. How can and should designers respond? This course explores the options available to designers from a philosophical and pragmatic perspective. Ecodesign covers the connection between searching for a means to achieve ecological sustainability and the everyday practices of the design disciplines. The concepts of social ecology are developed by students, often working in groups. Contemporary initiatives towards providing sustainable benefits are examined. The outcome of the class will be

positive action. The main aim is to explore collectively, to encourage students to rethink and reconstruct their own design practices, and to work towards design solutions that facilitate ecological sustainment. The class will determine the outcomes.

### **88311**

#### **Furniture Design 1**

*6cp; prerequisite: a high level of competency in the communication areas of orthographic drawing and 3D representation*

This subject introduces students to furniture design. It examines, through the academic fields of history, design theory, ergonomics and appropriate technology, the methodologies and systems of furniture design. Students will progress through a series of projects and gain a specialised knowledge of the area of design and fabrication of furniture pieces. Students will be expected to realise models and prototypes of their designed works in the later stages of the course. Lectures and workshop classes will be supported by factory and workshop visits.

### **88312**

#### **Design for Theatre 1**

*6cp*

This subject introduces students to the specialised area of design for performances in theatre spaces. It examines, through the academic fields of history, design methodology, and script analysis, the professional roles of the set and costume designer. This is a multi-disciplinary course which will bring students together to solve specific design problems. The first level of this course deals with the various roles of members of the design team and explores the basic language and procedures in theatre. In subsequent semesters, students will develop their specialised knowledge through designing productions of an increasingly complex nature.

Problems will be delivered and assessed by visiting professional performers from a range of areas including drama, opera and ballet.

### **88402**

#### **Environmental Communications 2**

*6cp*

This subject continues the investigations and format of Semester 1, but with a focus on communication and exhibition design in the context of museums.

### **88404**

#### **Illustration 2**

*6cp*

Continuation of 88304.

### **88405**

#### **Photography 2**

*6cp*

Continuation of 88305.

### **88406**

#### **Textiles 2**

*6cp; prerequisite: 88306 Textiles 1*

This subject continues the exploration of surface design through an understanding of cloth construction and repeat system concepts appropriation for interior/industrial application. Using CAD, students will explore surface design repetition, simulate print and woven textiles and apply designs to virtual products and interior spaces. Fundamental textile elements such as spacing, scale, colour balance, coordination and presentation will be studied at this level.

### **88408**

#### **Film and Video Design 2**

*6cp*

Continuation of 88308. Offered only if available at Stage 1.

### **88409**

#### **Transportation Design 2**

*6cp; prerequisite: 88309 Transportation Design 1*

This subject further develops the student's understanding of the complexity of designing road vehicles with more detailed design projects emphasising the marketing/design relationship. Other areas of transportation are introduced, accompanied by relevant theory components. Specific design projects initiated by students may be included.

### **88410**

#### **Design and Sustainable Human Futures 2**

*6cp*

This subject will give hands-on experience to people wishing to practise ecodesign. The program develops the foundation of sustainable design practice laid down by 88310 Design and Sustainable Human Futures 1. In particular, the role of systems thinking in relation to key ecological processes is explored, and the

opportunities for ecodesign intervention in real community activities are developed. Projects will range from a feasibility study through to a final evaluation from an ecological perspective. The creation and operation of relational working groups will be an important part of the program. Real projects and clients and site visits are included. Participants are expected to be pro-active and interactive.

### **88411**

#### **Furniture Design 2**

*6cp*

Continuation of 88311.

### **88412**

#### **Design for Theatre 2**

*6cp*

Continuation of 88312.

### **88502**

#### **Environmental Communications 3**

*6cp*

This subject further develops an understanding of environmental communications with increasing emphasis on industry practice.

### **88503**

#### **Film and Video Design 3**

*6cp*

Continuation of 88408.

### **88504**

#### **Illustration 3**

*6cp*

Continuation of 88404.

### **88505**

#### **Photography 3**

*6cp*

Continuation of 88405.

### **88506**

#### **Textiles 3**

*6cp; prerequisite: 88406 Textiles 2*

This subject looks at issues relating to the textile industry including sustainable textiles and life cycle analysis. This will take the form of guest lectures, research and recycling applications for textiles in terms of design and print. At this level students are required to develop a group of artefacts that encourages the use of sustainable and recycled materials.

### **88509**

#### **Transportation Design 3**

*6cp*

Continuation of 88409.

### **88510**

#### **Design and Sustainable Human Futures 3**

*6cp*

Continuation of 88410.

### **88511**

#### **Furniture Design 3**

*6cp*

Continuation of 88411.

### **88512**

#### **Design for Theatre 3**

*6cp*

Continuation of 88412.

### **88602**

#### **Environmental Communications 4**

*6cp*

In this subject students have the opportunity to initiate their own project in the environmental communications field.

### **88603**

#### **Film and Video Design 4**

*6cp*

Continuation of 88503.

### **88604**

#### **Illustration 4**

*6cp*

Continuation of 88504.

### **88605**

#### **Photography 4**

*6cp*

Continuation of 88505.

### **88606**

#### **Textiles 4**

*6cp; prerequisite: 88506 Textiles 3*

This subject takes a more practical design approach to the exploration of textile and surface design. Students are encouraged to apply knowledge gained from previous levels to conceptual design projects for interior/ industrial application. Students are encouraged to develop simulated digital textiles, source

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appropriate/suitable fabrics, research in the conceptual use of textiles in the built environment and present visual documentation of selected textiles and surfaces associated with a specific project or site.

### **88609**

#### **Transportation Design 4**

*6cp*

Continuation of 88509.

### **88610**

#### **Design and Sustainable Human Futures 4**

*6cp*

Continuation of 88510.

### **88611**

#### **Furniture Design 4**

*6cp*

Continuation of 88511.

### **88612**

#### **Design for Theatre 4**

*6cp*

Continuation of 88512.

The following subject numbers are used for concurrent studies overseas undertaken by Bachelor of Design students:

### **89950**

**Weisbaden**

### **89951**

**University of Brighton**

### **89952**

**St. Martin's College of Design**

### **99701**

#### **Jewellery 1**

*6cp*

This subject provides students with an understanding of the techniques and processes involved in the fundamental design of jewellery. Through projects students will examine a number of techniques involved in jewellery construction and explore different media including some traditional processes as well as new and alternative ones. The course also includes visits to exhibitions and introduces students to attitudes concerning the practice and critical analysis of the subject. The subject is workshop based with some field visits.

### **99702**

#### **Jewellery 2**

*6cp; prerequisite: 99701 Jewellery 1*

Continuation of 99701.

### **99703**

#### **Jewellery 3**

*6cp; prerequisite: 99702 Jewellery 2*

Continuation of 99702.

### **99704**

#### **Jewellery 4**

*6cp; prerequisite: 99703 Jewellery 3*

Continuation of 99703.

## POSTGRADUATE SUBJECTS

Please note that not all subjects are available at all times as they are subject to timetabling and the availability of resources.

**XXXXX**

### **Environmentally Sustainable Development**

*6cp*

(Subject to course approval)

Contact the Faculty for more information.

**12115**

### **Building Science and Environmental Factors**

*4cp*

This subject examines the theory of building environmental performance and applies the theory to issues of building occupancy and public health and safety.

**12170**

### **Building Assessment**

*6cp*

This subject covers building services, maintenance, technological change, diagnostic, security systems and assessment practice.

**12511**

### **Building Technology and Regulation**

*6cp*

In this subject students undertake a critical examination of building structure, cladding and service systems for a range of building types. The subject covers the following topics: maintenance, life cycle costing and energy efficiency; purpose and application of building regulations; and interpretation of building documentation in the context of property development and management processes.

**12515**

### **Property Life Cycle**

*6cp*

A strategic and responsible approach to management of property assets requires the ability to understand and respond to economic and social influences which affect the performance of property through a life cycle which begins with raw land and includes development, management and redevelopment. Marketing and effective property management techniques are examined in this subject as responses to changing economic and social forces in the strategic management of property assets.

**12518**

### **Property Transactions**

*6cp*

This subject looks at the following topics: the nature of the ownership of personal property including intellectual property; the nature of ownership of real property including the related concepts of title, leases, mortgages and conveyancing transactions, options to purchase; an overview of the law of contract with emphasis on construction industry contracts and joint venture agreements; the law of negligence including liability for negligently given advice or certification, the operation of the statute of limitations; and the manner in which local government building, planning and subdivision approvals are given including the mechanisms for appeal to the Land and Environment Court.

**12524**

### **Property Development**

*4cp*

This subject provides a framework, tools, techniques and practical approaches for individuals and organisations involved in property development. Material covered will include the following: strategic planning; introduction to project management of property developments; team formation; development and management; project initiation, planning, procurement and completion; the property development process; organisational structure and culture; human resource management; industrial relations; and characteristics and needs of different property development types.

**12525**

### **Property Analysis 1**

*6cp*

In this subject students study the following: general accounting principles; capital budgeting techniques; discounted cash-flow analysis; risk analysis techniques; interest rate theory and discount rates; traditional and contemporary principles and methods of valuation, advanced capitalisation and other valuation methods; valuation of different classes of property; and sources of finance. A basic knowledge of a spreadsheet program such as Microsoft Excel is assumed. Students will need to bring a financial calculator to class.

**12535**

**Property Analysis 2**

*6cp*

This subject covers the following topics: site identification and analysis; financial feasibility analysis for both residential and nonresidential properties; estimation of development feasibility components; sensitivity and risk analysis; preparation of development business plans and finance proposals; investment market and portfolio analysis; property investment portfolio management including impact of economic size, market constraints, physical constraints, maintenance of market position, reappraisal and culling; risk exposure, profiles, gearing and management; current issues in property and non-property asset investment; and the use of basic computer applications.

**12543**

**Property Development Project**

*4cp*

This subject focuses on the integration of the property development process from initiation of development proposal to completion of project. Student teams prepare and present a business case for a property development project which they have identified in response to a given client brief.

**12550**

**UEM Project**

*6cp*

This subject involves an independent study in an area related to Urban Estate Management, selected by the student, subject to approval of the Director of Program.

**12564**

**Sociology (MBEnv)**

*2cp; 1hpw*

This subject covers the following topics: social theory; social values and population grouping in Australian society; housing; public participation in planning and community awareness; resident actions; and effects of planning on communities and individuals.

**12570**

**Urban Regeneration Process 1**

*16cp; 4hpw*

This is the first of a three-part presentation of this subject, in which the process of urban renewal and regeneration is studied in depth,

dealing initially with these issues at a strategic planning level; next with the concept of obsolescence; and finally with a series of morphological studies of particular typologies and executed building case studies.

**12575**

**Urban Regeneration Process 2**

*7cp; 5hpw*

This part of renewal and regeneration studies deals with the concept of obsolescence as it affects buildings in use, their technology, fiscal viability and cultural significance.

**12579**

**Urban Regeneration Process 3**

*7cp; 5hpw*

This subject includes a series of morphological studies examining the changing pattern of use that generic building types undergo, and the impact which this changing pattern has on their operation and efficiency.

**12582**

**Design Research**

*2cp; 1hpw*

This subject includes a series of lectures and seminars dealing with the following: the methodology of research programs; the principles of thinking, reasoning and argument; and the critical analysis of contemporary issues.

**12583**

**Design Project**

*12cp; 8hpw*

In this subject students undertake a project which is either drawn or written, or a combination of the two, and covers an aspect of the built environment, supervised and approved by a member of staff.

**12584**

**Urban Architecture**

*6cp; 2hpw*

A general introduction to the subject is followed by a study of typologies and an analysis of historical precedents, their influence and interaction on built-form land-use policies, and philosophies employed in the making of cities, and in particular on the development of Sydney. Students study the theories of urbanism which have influenced the making and transformation of existing cities this century, and their impact since 1945.

**12585****Law (MBEnv)***5cp; 2hpw*

This is a short subject in property law, both real and personal, and, although it begins with contracts and ends with contracts for the sale of land, it provides an intensive coverage of many of the major principles relating to property law in NSW. Topics covered include building control and a regulatory approach to conservation and regeneration projects, and the operation of the Land and Environment Court.

**12586****Building Technology (MBEnv)***5cp; 2hpw*

This subject is a study of the impact of the various technologies on various building typologies and their effect on the fabric of buildings studied diagnostically. This appraisal of buildings is undertaken to assess the implications of the concept of 'long life; loose fit; low energy' when applied to buildings.

**12587****Economics (MBEnv)***6cp; 2hpw*

This subject is an introduction to aspects of macro and microeconomics relevant to property development and property management. It covers the following topics: the nature and methods of financing development of the built environment; basic formulas and theory of finance including compound formulas; an analysis of the needs of property owners; investigation and selection of appropriate investment strategies in accordance with predetermined objectives; investment, market analysis and appraisal; and a detailed investigation of capitalisation rates and rates of return in property investment decisions.

**12588****Design Management 1***6cp; 2hpw*

This subject covers the management of the project process. It includes the identification of opportunities for development resulting from the perceived or actual obsolescence of existing building stock, to the final commissioning and handing over of a regenerated building that will ensure customer satisfaction. The subject will concentrate on the management of the marketing and the initial development phases

of the project process, and include an outline of environmental planning legislation, regional proposal strategies, principles of environmental law, integration of future building control requirements, and case studies.

**12589****Design Management 2***5cp; 2hpw*

This subject covers project planning, design management, value management, quality assurance, building audits and post-occupancy evaluation studies as design aids. Students learn about physical and economic feasibility studies, and the cost-benefit analysis of the regeneration and refurbishment of projects.

**12590****Design Management 3***3cp; 1hpw*

This subject covers the following topics: building control matters; 'engineered compliance'; accreditation process; approval strategies; other authorities and approvals; marketing system; marketing environment; market information; buyer and user behaviour; strategy; promotion; and social issues.

**16011****Facility Management***8cp*

An introduction to the professional discipline of facility management. Computer-aided facility management (CAFM). Strategic planning. Organisational models. Decision making. Functional plans. Measurement of performance standards. Environmental and contextual factors. Case studies. The subject is delivered over the Internet in conjunction with Massey University in New Zealand.

**16012****Project Management***8cp*

An introduction to the professional discipline of project management. Project management processes and context. Project integration, scope, time, cost, quality, human resource, communications, risk and procurement management. Case studies. The subject is delivered over the Internet in conjunction with Massey University in New Zealand.



## 16013

### Expert Witness

8cp

The purpose and role of an expert witness. The context within which expert testimony is delivered. Rules of evidence and natural justice. Examination and cross-examination. The law relating to consultants in the construction industry. Researching evidence and presentation at a simulated tribunal hearing. The subject is delivered over the Internet in conjunction with Massey University in New Zealand.

## 16300

### Industry Studies

8cp

This subject involves the analysis of project case studies collected in-country. Ten projects of similar type are examined critically and quantitatively using statistical tools as appropriate. Construction performance is assessed by comparison of these projects with those collected by other students. The subject culminates in a group presentation that aims to highlight international best practice and the significance of different industry cultures.

## 16805

### Legal Studies 1

8cp

An introduction to the legal system in Australia including sources of law, the court system and legal personnel. International comparisons. A detailed study of contract law and an outline of criminal law, civil law, industrial law, insurance law, property law, the law of business associations and dispute resolution.

## 16806

### Legal Studies 2

8cp; prerequisite: 16805 Legal Studies 1

The tortious liability imposed by the law upon professionals, some major contractual problems related to the construction industry and an outline of employment law and statutory industrial regulation. Legal research and referencing skills. International case studies. The subject may be undertaken in a distance learning mode.

## 16970

### Practical Urban Planning 1A

6cp

An introduction to local planning and the management of the local environment, with the emphasis on the application of concepts and policies through practical planning techniques.

## 16971

### Practical Urban Planning 1B

4cp

An introduction to local planning and the management of the local environment, with the emphasis on the application of concepts and policies through practical planning techniques.

## 16972

### Practical Urban Planning 2A

6cp

This subject is an introduction to the planning of regions such as Sydney, and the social, economical and environmental issues which are addressed. The emphasis is on the application of concepts and policies through practical planning techniques.

## 16973

### Practical Urban Planning 2B

4cp

This subject continues the introduction to the planning of regions such as Sydney, and the social, economical and environmental issues which are addressed by planners. The emphasis is on the application of concepts and policies through practical planning techniques.

## 16974

### Theory and Practice of Urban Planning 1A

6cp

An introduction to local planning and the management of the local environment, with the emphasis on the application of concepts and policies through practical planning techniques.

## 16975

### Theory and Practice of Urban Planning 1B

4cp

An introduction to local planning and the management of the local environment, with the emphasis on the application of concepts and policies through practical planning techniques.

**16976****Theory and Practice of Urban Planning 2A***6cp*

An introduction to the planning of regions such as Sydney, and the social, economical and environmental issues which are addressed in such planning: the emphasis is on the application of concepts and policies through practical planning techniques.

**16977****Theory and Practice of Urban Planning 2B***4cp*

An introduction to the planning of regions such as Sydney, and the social, economical and environmental issues which are addressed in such planning: the emphasis is on the application of concepts and policies through practical planning techniques.

**17101****Project Process 1***6cp*

This subject is an introduction to and overview of generic project management. It covers the following topics: characteristics of projects and project management; generic project phases and life cycles; an introduction to project management processes; the context of project management; and teams and teamwork in project management.

**17105/17205/17506****Industry-Specific Project Process 1/2/3***6cp*

Each subject in this strand will present a project management case study for a specific industry or project type. Industry-specific project processes and practices will be examined and critically evaluated and compared with generic process models. Building and construction industry projects will form the basis of one subject in this strand. Other specific industries and project types which may be examined in a subject in this strand, are as follows: information technology, 'soft' projects such as research and development; change management or organisation change; and product development.

**17111****Project Integration***6cp*

This subject is an introduction to, and overview of, generic project management with an emphasis on the integration of processes within the project life cycle; generic project phases and life cycles; an introduction to the context of project management; teams and teamwork in project management.

**17112****Project Scope***3cp*

As an introduction to, and overview of, project scope management, this subject emphasises the processes, tools and techniques used to ensure the project includes all the work necessary for its completion, including initiation, planning, definition, verification and control of project scope.

**17113****Project Time***3cp*

This subject introduces the student to project time management with an emphasis on the processes, tools and techniques available to assist with achieving time control for a project including activity definition, activity sequencing, activity duration estimating, schedule development and schedule control.

**17114****Project Cost***3cp*

This subject introduces the student to project cost management with an emphasis on the processes, tools and techniques available to assist with achieving cost control for a project; resource planning, cost estimating, cost budgeting, cost control and some emphasis on life-cycle costing.

**17115****Project Quality***3cp*

This subject is an introduction to, and overview of, the quality management of generic projects with an emphasis on the basic tools and techniques associated with project quality management including the specific processes associated with: quality planning, quality assurance and quality control, cost budgeting, and cost control throughout the project life-cycle.

## 17116

### Project Human Resources

3cp

Project human resource management includes the processes required to make the most effective use of the people involved with the project and provides an overview of organisational planning. Special emphasis is placed on staff acquisition for time-delimited projects, project roles and responsibilities, documentation and reporting relationships and project team building and development.

## 17117

### Project Communications

3cp

This subject centres on the development of expertise in the processes required to ensure timely and appropriate generation, collection, dissemination, storage, and finalisation of project information. Specific topics include project communications planning, project information distribution, project performance reporting and processes and tools for project administrative closure and finalisation.

## 17118

### Project Risk

3cp

This subject is based on an introduction to the theory and method associated with risk analysis and control. The subject includes the processes, tools and techniques associated with the management of risks, both positive and negative, for the project life cycle, including procedures for identification of risk, quantification of risk, risk-response development and risk-response control.

## 17119

### Project Procurement

3cp

The processes and techniques required to acquire the goods and services essential to completion of a project. Emphasis is placed on procurement planning, solicitation planning, solicitation processes, evaluation and selection of appropriate contractors or suppliers, contract administration, contract close-out and finalisation.

## 17120

### Heritage and Development

4cp or 6cp

This subject is centred on the development of sites of heritage significance, including both statutory and strategic planning issues and practice and the evaluation of the statutory and community processes involved in heritage conservation issues. The economics of heritage conservation is discussed and an emphasis is placed on the creation of innovative solutions to the development of heritage buildings and sites.

## 17121

### Native Title

6cp

Land rights history, and the Mabo decision. *Native Title Act 1993* and the Indigenous Land Fund. Alternative approaches to land claims and management. Interface between stakeholders and current land management controls.

## 17201

### Project Process 2

6cp

This subject examines the first, or initiation and concept phase, of a four-phase generic project process or life cycle. It covers the following topics: stakeholder identification; identification of needs and opportunities; internal and external factors affecting projects; project appraisal; project objectives and performance measures; generation and analysis of options; feasibility studies and sensitivity analysis; initial project time, cost, risk and quality plans; testing and approvals; and assessment of process capability.

**17211****Project Integration (RCC)<sup>1</sup>***3cp***17212****Project Scope (RCC)<sup>1</sup>***1.5cp***17213****Project Time (RCC)<sup>1</sup>***1.5cp***17214****Project Cost (RCC)<sup>1</sup>***1.5cp***17215****Project Quality (RCC)<sup>1</sup>***1.5cp***17216****Project Human Resources (RCC)<sup>1</sup>***1.5cp***17217****Project Communications (RCC)<sup>1</sup>***1.5cp***17218****Project Risk (RCC)<sup>1</sup>***1.5cp***17219****Project Procurement (RCC)<sup>1</sup>***1.5cp*

The RCC (Recognition of Current Competence) strand of subjects provides experienced practitioners with an opportunity to have their project management competence recognised, for academic credit and professional registration, through preparation of a portfolio of evidence addressing the performance criteria for any of the Units in the Australian National Competency Standards for Project Management. Applicants will be assisted in the preparation of evidence by qualified workplace assessors.

Credit obtained through this pathway contribute to the postgraduate qualifications in Project Management listed above.

Exemptions will be granted to a maximum of 9 credit points for those who wish to contribute

these credit points towards a Graduate Certificate, which requires 24cp.

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<sup>1</sup> These subjects are part of the Recognition of Current Competence strand of subjects. See subject description 17219 above.

**17301****Project Process 3***6cp*

This subject examines the second, or planning and development phase, of a four-phase generic project process or life cycle. It covers the following topics: project scope management; project scheduling; development of project budgets; project quality management; project organisation and resourcing; project communication planning; project risk management; project documentation; change management; asset management; and value management.

**17305/17405****Project Technologies 1/2***6cp*

Each subject in this strand will cover, in more depth than is possible in other parts of the course, one or more project management topics which may be drawn from the following: the latest research and development in project management; managing project interfaces; project human resource management; project organisation; project leadership; risk management; project information management; advanced project cost and scheduling; value engineering and management; risk management; quality management and quality assurance; financial management; marketing; projects and the environment.

**17401****Project Process 4***6cp*

This subject examines the third (implementation) and fourth (completion) phases of a four-phase generic project process or life cycle. It covers the following topics: management of internal and external project environments; management of stakeholder relationships; project scope and change control; project time and cost control; quality control and quality assurance; management of project human resources; project information management; contract management; conflict management; project commissioning and handover; post-project evaluation; and continuous improvement.

**17506****Industry-Specific Project Process 3***6cp*

Refer to 17105 for subject description.

**17507****Industry Project Studies 1<sup>1</sup>***12cp***17508****Industry Project Studies 2<sup>1</sup>***12cp***17509****Industry Project Studies 3<sup>1</sup>***12cp*

This strand of subjects are work based learning subjects which allow students as individuals or as members of organisations to develop their competence and underpinning knowledge of project management as it applies to the workplace through application to specific projects in the workplace.

Students may develop a detailed case study for a specific project which is completed or in progress; or, they may follow an action learning approach, applying project management principles and processes as they carry out a real work place or 'live' project.

Study requirements, attendance pattern and assessment will be designed to suit the workplace conditions in consultation with the Subject Coordinator as it applies to each case or workplace project. This action learning approach is particularly suited to employer sponsored work place teams and distance learning.

<sup>1</sup> These subjects are part of the Industry Project Studies strand of subjects. See subject description 17509 above.

**17510****Planning 1***6cp*

In the first semester, the investigation of a major and complex site, through the documentation of its physical characteristics and its social and environmental context; the developments of ideas for the site; the preparation of briefs and contracts; the development of skills in relevant aspects of planning practice.

In the second semester, the analysis of the planning issues relating to the chosen site, through a study of the opportunities and

constraints, and analysis of the political context, the development of strategies and the generations of options; the development of skills in relevant aspects of planning practice.

**17517****Research Methodology***4cp*

This subject covers research methods and includes a study of the research process, research design, sampling, and estimation of sample size. Students study computer applications, with an introduction to computer analysis using the SPSS-X package. Students also study statistical methodology, which incorporates elementary statistical analysis, with emphasis on non-parametric statistics. Theory generation is also part of the subject.

**17518****Property Research Methods***6cp*

Research methods: students will study the research process, research and questionnaire design, sampling, estimation and sample size, etc. and their application to property situations. Statistical methodology: elementary statistical analysis, with emphasis on non-parametric statistics. Theory generation. Review of relevant property research literature. Students will be given an introduction to relevant statistical computer packages.

**17519****Advanced Property Development***6cp*

The subject will give students an advanced knowledge of the property development process and its decision making. As part of the subject, there will be an extensive use of DCF analysis.

**17520****Planning 2***6cp*

In the first semester, the assessment of planning options for the chosen site, through an evaluation of alternatives, an analysis of feasibilities, an assessment of impacts, and an analysis of benefits and costs; the development of skills in relevant aspects of planning practice.

In the second semester, the preparation of final plans for the chosen site: goals and objectives, policies, implementation mechanisms,

visualisation; the presentation and promotion of the plan; the development of skills in relevant aspects of planning practice.

### **17530**

#### **Planning 3**

*6cp*

The integration of the work of the previous four semesters in relation to the chosen site; an examination of the costs and impacts of the planning and regulatory mechanisms; a review of the decision-making processes; the development of skills in relevant aspects of planning practice.

### **17540**

#### **Facility Economics**

*24cp*

This subject explores issues affecting the economic evaluation and operation of existing built facilities in the context of improved business performance and worker productivity. It includes an understanding of facility strategies, organisational responsibilities and appropriate decision-making tools. Specific areas of focus include computer-aided facility management, risk analysis techniques, maintenance planning and value-adding methodologies.

### **17550**

#### **Environmental Economics**

*24cp; 18hpw*

This subject explores issues affecting the interaction between economic development and environmental protection. It includes an understanding of the importance of ecologically sustainable development and the provision of strategic advice on the most effective use of resources over a project's life cycle. Advanced selection criteria and a methodology for the measurement of sustainability are discussed in the context of political, legal, ecological and societal considerations.

### **17560**

#### **Research Project**

*24cp; 18hpw*

This subject comprises the preparation and submission of a dissertation concerning the detailed study of an individual topic related to the field of facility economics. Research methodology and use of quantitative analysis are part of the course content. The dissertation shall involve identification of a problem, a thorough literature review of the topic and development of a solution based on a selected

research methodology. The recommended solution should make a contribution to existing knowledge in the field.

### **17600**

#### **Graduate Project (MPM) P/T**

### **17601**

#### **Graduate Project (MPM) F/T**

*14cp*

This subject involves a major study of a project or topic relevant to project management, undertaken by each student individually, and resulting in the preparation of a comprehensive report.

### **17701**

#### **Environment and Control**

*6cp*

This subject covers the following topics: property development and statutory control processes, including both statutory and strategic planning issues and practice; alternative solutions and approaches to environmental issues and sustainable development; community consultation and dispute resolution; and communication of strategic advice to stakeholders on environmental issues.

### **17703**

#### **Property Taxation**

*4cp*

This subject involves the following: the analysis of various forms of taxation relating to property holdings and property investment; income tax, capital gains taxation, depreciation allowances, land tax and stamp duties; taxation of trusts; negative gearing; and alternative forms of taxation and their likely impacts on the property industry.

### **17704**

#### **Advanced Property Finance**

*6cp*

This subject covers the following topics: sources and types of finance available for various property developments; debt versus equity; specialised financing techniques, including hybrids, long-term and offshore finance; project finance; and evaluation techniques and risk management.

## 17705

### Contemporary Issues in Land Economics

6cp

The content and topics of this subject will vary from year to year, depending on the topicality of particular issues. In 2000, topics to be presented include the following: property cycles, the impact of the Sydney Olympics 2000 upon the property industry; the growth of managed funds and their implications for the property industry; and international influences upon the property industry.

## 17706

### Research Project – Master in Land Economics

18cp

In this subject students will undertake a detailed, in-depth and supervised study of an individual topic related to the field of land economics. They will prepare and submit a 25,000 word thesis which will comprise identification of a problem, a thorough literature review of the topic and development of a solution based on a selected research methodology. The work should make a contribution to existing knowledge in the field.

## 17707

### Performance-based Certification

6cp

This subject covers the intent of codes and regulations, regulation-making process, the Building Code of Australia, performance versus prescriptive provisions, drafting of building regulations, case studies, certification process, and certification of a major building.

## 17708

### Natural Disasters and Risk Management

6cp

This subject covers natural hazards and their management, risk assessment techniques and regimes, quantitative methods, risk reduction and management, approvals and risk, and decision making in the approvals process.

## 17709

### Fire Engineering

6cp

This subject introduces students to concepts and physics of fire initiation and development, radiant heat assessments, prediction of egress times, principles of smoke management, fire

protection systems, performance of building materials, fire safety engineering, performance-based assessment, and maintenance programs for fire protection and safety systems.

## 17710

### Special Issues

6cp

In this subject students prepare and submit a 10,000 word report, involving the detailed study of an individual topic related to the field of building surveying and assessment. The thesis shall comprise identification of the problem, a thorough literature review of the topic, presentation of a state-of-the-art report, and presentation of the report to peers.

## 17711

### Fire Dynamics 1

6cp

Basic Fire Engineering Fundamentals – Problem focused and applied learning techniques in the areas of fluid dynamics, mass transfer and heat transfer in preparation for Fire Dynamics 2.

## 17712

### Fire Dynamics 2

6cp

Advanced techniques in fire engineering. Flammability. Diffusion. Ignition and Spread of Flames. Spontaneous Ignition. Pre and post-flashover fires and smoke movement. Problem based learning centred around the text *Introduction to Fire Dynamics*, Drysdale D.D., Wiley and Sons.

## 17713

### Human Behaviour in Fire

6cp

Occupant characteristics, cues, response, egress simulation and design, egress systems, wayfinding, tenability criteria, design methodologies and verification.

## 17714

### Fire Safety Systems

6cp

Detailed coverage of all the Fire Safety Sub-systems and terms of their contribution to life safety, property protection, contents protection etc. regarding their criteria, performance, operation, maintenance and control; including Case Studies.

**17715****Research Project***24cp*

This subject will comprise advanced studies in the use of fire engineering and human response/movement models, application of fire risk assessment methods and a major case study or research project. Each student will be required to publish a paper in a refereed journal or present a paper at a major international conference on an aspect of fire engineering or the results of their case study.

**17800****Planning 1A***6cp*

Planning is built around a planning project and is the central, integrating activity of the course. A real and relevant site is chosen: different aspects of development and planning processes are applied to that site in successive semesters. Knowledge is applied, skills are learned, and techniques of investigation, planning, design, communication and management are developed through practice.

The first semester sees the investigation of a major and complex site, through the documentation of its physical characteristics and its social and environmental context; the development of ideas for the site; the preparation of briefs and contracts; the development of skills in relevant aspects of planning practice.

**17801****Planning 1B***6cp; prerequisite: 17800 Planning 1A*

This subject involves an analysis of the planning issues relating to the chosen site, through a study of the opportunities and constraints, an analysis of the political context, the development of strategies and the generation of options; and the development of skills in relevant aspects of planning practice.

**17802****Planning 2A***6cp; prerequisites: 17801 Planning 1B*

This subject continues the assessment of planning options for the chosen site, through an evaluation of alternatives, an analysis of feasibilities, an assessment of impacts, and an analysis of benefits and costs; and the development of skills in relevant aspects of planning practice.

**17803****Planning 2B***6cp; prerequisite: 17802 Planning 2A*

This subject covers the preparation of final plans for the chosen site, goals and objectives, policies, implementation mechanisms, visualisation, the presentation and promotion of the plan, and the development of skills in relevant aspects of planning practice.

**17804****Sustainable Development***6cp*

This subject focuses on the physical environment and development where the following topics will be discussed: ecology, geomechanics, climate and noise measurement, with an examination of erosion, water pollution, solar access, air quality, wind effects and noise pollution; the source of environmental design criteria for urban development.

Managing movement is the second major area of topics: current and projected practice in transportation engineering, traffic management, public transport provision and the design, construction and maintenance of roads; paratransit; pedestrian requirements and opportunities.

Finally, economic concepts and methods are discussed: the concepts of micro and macro-economics, and the analysis of externalities in an urban and regional context; market analysis and appraisal; the nature of the Australian economy; understanding the property market; techniques of cost benefit analysis; and the nature of a local economy.

**17805****Urban Analysis***4cp*

Issues embraced by this subject include aspects of the history of state regulation of urban development; the history of town planning and the planning profession; the ideologies of planning; research for planning practice; and sources of information for urban policy, management and planning.

Property and development law is also a major focus of attention: aspects of property law including occupier's liability, tenancy, resumption and compensation; nuisance law as it relates to planning and the environment; planning and development law including legislative framework, comparative models and intergovernmental relations; health and



building control issues and related issues in planning; developer contributions; and current issues and controversies in planning and development law.

### 17806

#### Urban Economics and Infrastructure

*6cp; prerequisite: 17804 Sustainable Development*

This subject introduces the student to four major areas: urban economics; the analysis of location as a factor in urban development; methods and purposes of feasibility studies; market analysis and valuation; and costings and estimating rates of return.

Urban and regional economic issues: as a demonstration of economic method and so as to examine a topic in depth, one of the following topics will be studied – housing, recreation, tourism, transportation, public sector finances, the incidence of infrastructure costs.

Management of land and services: the principles of soil and nature conservation and catchment management; the cultural significance of natural and historic environments, and heritage conservation; the design, construction and operation of water supply, sewerage, drainage, gas, electricity and telecommunications systems.

Current practice in the design and management of infrastructure: the values, concepts and methods used in engineering and related professions; the use of warrants and specifications, and approaches used in the design, construction, operation and maintenance of infrastructure and other elements in the built environment; the strengths and limitations of these practices.

### 17807

#### Urban Design and Management

*4cp; prerequisite: 17805 Urban Analysis*

This subject is based on an introduction to the history of ideas of the city and of city form; aspects of the history of building and urban development; past and present attitudes and approaches to the management of the urban design process; principles, criteria and values used in urban design. The principles of the management of development and construction processes; the roles of the various players in urban development. The management of public sector planning agencies and the roles of planning staff; professional practice management.

Another major area of study is environmental law: the operation of environmental law in the Australian federal system; Commonwealth-State relationships; air, water, waste, and heritage law; the law and practice of environmental impact assessment; relevant principles of administrative law; implications for government. The role of the relevant courts and the nature of environmental litigation; changes in the treatment of standing; practice and procedure of the Land and Environment Court of NSW. Current issues and controversies in environmental law and policy.

### 17808

#### Specific Issues in Planning

*6cp*

Centring on planning in the contemporary world of electoral politics, bureaucracies, business, resident action and environmental campaigns: this subject sees the detailed analysis of a small number of specific current issues.

### 17809

#### Graduate Project (F/T)

*18cp over three semesters; prerequisites: All first semester subjects*

The graduate project consists of a major planning project based on real site(s)/area(s)/issues. The project will be carried out individually while collaborating with a group of three or four others. Each member of the collaborative group is responsible for a planning project which is assessed both on the quality of the work and on its integration with the work of the other members.

### 17810

#### Graduate Project 1 (P/T)

*6cp; prerequisites: all first and second year subjects*

The graduate project consists of a major planning project based on real site(s)/area(s)/issues. The project will be carried out individually while collaborating with a group of three or four others. Each member of the collaborative group is responsible for a planning project which is assessed both on the quality of the work and on its integration with the work of the other members.

**17811****Graduate Project 2 (P/T)**

*12cp; prerequisites: all first and second year subjects*

The graduate project consists of a major planning project based on real site(s)/area(s)/issues. The project will be carried out individually while collaborating with a group of three or four others. Each member of the collaborative group is responsible for a planning project which is assessed both on the quality of the work and on its integration with the work of the other members.

**21715****Strategic Management**

*6cp; prerequisites: 22747 Accounting for Managerial Decisions; 25706 Economics for Management; 24734 Managerial Marketing; 25742 Financial Management*

An integrating subject concerned with top management strategy for, and management of, change in the economic and social environments of business. Case studies from real business situations are examined. Topics include strategy formulation, strategic planning, management audits, management of change, and social responsibility and corporate effectiveness.

**21718****Organisation Analysis and Design**

*6cp*

Develops skills in organisational analysis. Develops diagnostic and prescriptive skills in regard to organisations. Focuses on the description and analysis of organisations as formal structures, political systems and cultural entities.

**21720****Employment Relations**

*6cp*

An introduction to the areas of industrial relations and human resource management. Topics covered include historical steps in the development of the human resource function and the forces that have shaped its development; major functions of employment relations managers; the relationship between the human resource and industrial relations functions in the modern organisation; the nature of industrial relations and the contribution to understanding made by several conflict

theorists; the structure and functioning of formal industrial relations; the form and function of the employer and employee organisations, parties to employment relations; and the nature of efficiency restructuring and enterprise bargaining and their impact upon the management of employment relations.

**21813****Managing People**

*6cp*

Uses a behavioural science theory and research perspective to diagnose organisational processes. Students will be able to describe best practice in the management of human performance at work; relate people management practices to developments in management thought, and to changing values and ethical thinking in the world of business and administration; appreciate a range of view-points regarding the nature of work and variety of work forms to be found in different societies; and appraise organisational communication practices in the context of organisational diversity.

Provides an introduction to the following: the field of people management; motivation, job design and performance management; managing groups at work; intergroup behaviour and conflict in organisations; leadership; managing decision-making processes in organisations; influential skills in managers; and communication for people management.

**22747****Accounting for Managerial Decisions**

*6cp*

Introduces students to the basics of financial and management accounting. Topics include the nature and purpose of accounting – accounting reports (balance sheets, profit and loss statements, cash flow statements) and analysing accounting; accounting reports and financial reports – the nature of management accounting and cost concepts; strategic planning and budgeting; cost accumulation systems (traditional costing systems and activity-based costing systems); and responsibility accounting (the management control structure, and analysing and reporting on performance).

**24734**

**Managerial Marketing**

*6cp*

Recognises marketing as a key managerial decision-making area, in particular relating the organisation to its environment to bring about change. Drawing extensively on the literature in marketing and marketing management, the subject will adopt a range of teaching approaches to demonstrate the nature and complexity of managerial marketing decision making, and at the same time develop knowledge and skills for effectively managing the complexity of exchange processes.

**25706**

**Economics for Management**

*6cp*

Provides an intensive introduction to the two major components of economic theory – microeconomics (which deals with the behaviour of individuals, firms and industries) and macroeconomics (which deals with the behaviour of the national and international economies). Provides a working knowledge of the economic environment for managers.

**25742**

**Financial Management**

*6cp*

Provides the analytical framework for corporate financial decisions. Introduces students to financial theory and to the tools of financial decision making. Concerned primarily with investment project evaluation and determining the financing mix necessary to achieve the firm's financial objectives. Topics include the conceptual basis of financial decisions, accounting statements and cash flow, net present value, the valuation of debt and equity, capital budget issues, risk and return, the capital asset pricing model (CAPM), capital structure – determinants of the optimal balance of debt and equity, dividend policy, and leasing.

**28701**

**Business and the Changing Environment**

*6cp*

An introductory subject for students who have not undertaken previous business studies and which should be undertaken in the first semester. Examines current and potential environmental changes which can influence the conduct of business, particularly in the

Asia-Pacific region. Specifically addresses the major currents of change which are likely to affect the way businesses are managed in the future; business strategies for coping with these changes; the need for multidisciplinary skills in problem solving; and new possibilities and creating alternatives in business. The subject is presented over five full days, split into two modules of three and two days each. The first module is conducted before the commencement date of formal lectures in each semester.

**59336**

**Politics and Planning**

*2cp*

This unit provides students in planning disciplines with an introduction to the perspectives of political theory, and the techniques of political analysis. Topics include theories of the state, the emergence of structures of decision making, urban managerialism, the politics of public participation, community politics and local government. Concepts of modernity and post-modernism are used to situate analysis of urban political action in socio-cultural contexts.

**59338**

**Sociology and Planning**

*2cp*

This unit provides students in planning disciplines with an introduction to the perspectives of the social sciences and the techniques of sociological investigation. Topics include the emergence of the modern city, the development of the spatial pattern, environmental perception, issues in housing, labour markets, tourism and migration, and current social and demographic trends.

**81020**

**Management Techniques and Design**

*4cp*

This subject provides students with a working knowledge of the range of management skills and techniques used in the planning and control of design projects. It consists of a series of seminars/tutorials, case studies and assignments concerned with such topics as: task scheduling; planning systems and control models; program evaluation and review techniques; critical path monitoring; organisation development; personnel recruitment and staffing structures; organisational models; and union and labour relations.

**81021****Communication Technology***4cp*

This subject provides an understanding of the current state of communication theory and practice with particular reference to the designer's role in shaping components of communication systems.

**81022****Desktop Publishing***4cp*

This subject provides a working knowledge of microcomputer applications of particular relevance to design. A series of lectures and seminars/tutorials is undertaken to provide a working knowledge in the use of Macintosh microcomputers for a range of applications such as word processing, desktop publishing, scanning and graphics.

**81024****Computer Graphics 1***4cp*

This subject provides the opportunity for selected postgraduate students to apply computer techniques to specific design projects using advanced graphics/animation programs.

**81025****Design History***4cp*

This subject gives a historical perspective on design and designers. Lectures, seminars and tutorials are concerned with such topics as style, artifacts, communications, environment and culture, and group studies on different aspects of the technology/society interface.

**81030****3D Computer Animation 2***4cp*

This subject develops and expands the basic knowledge of both the theory and operation of computer animation as learnt in 81925 3D Computer Animation 1, refining the different types of computer graphics in animation. The course includes the creation and manipulation of 3D images. Topics covered include advanced computer animation systems and theory, various animation software applications and video production techniques.

**81031****Web Design***4cp*

This course develops the skills and abilities required to create pages and graphics on the Internet. The course introduces students to the basics of Web page design and develops skills necessary to achieve these abilities. The primary focus of the class is on design problem solving and design issues currently applied to Internet Design.

**81032****Internet Design***4cp*

This subject aims to give the students who have attained appropriate computer graphics and design skills the ability to develop a website combining good design techniques using the latest web design technologies. They will be encouraged to evaluate critically the implications of functional design for the Web. The course introduces students to all facets of web page design and web site management.

**81033****Multimedia 1***4cp*

This subject develops and expands the basic theories and skill learnt in 81925 Computer Animation 1. This course covers the topics of animation, inter-activity and computer-generated digital movies. The course also covers the design process in computer animation as well as theory and conceptualisation of design in computer animations.

**81034****Multimedia 2***4cp*

This subject develops and expands the basic theories and skill learnt in 81030 Computer Animation 2. This course covers the topics of advanced animation, advanced inter-activity and advanced computer-generated digital movies. The course also covers the design process in computer animation as well as theory and conceptualisation of design in computer animations.

### **81035**

#### **Digital Print Media 1**

*4cp*

This subject aims to develop students' knowledge and skills in creating and developing design solutions using advanced computer applications. To enrol, students must have demonstrable ability in graphic and typographic design and have attained basic computer graphics skills. Students will be encouraged to be imaginative and conceptually demanding in evaluating digitally generated visual production as effective and relevant visually communicated solutions and professionally produced pre-press documents.

### **81036**

#### **Digital Print Media 2**

*4cp*

This subject aims to consolidate students' knowledge and develop advanced skills in creating and developing design solutions using appropriate computer applications. Students will be encouraged to be imaginative and conceptually demanding in evaluating digitally processed and refined graphic and typographic design as effective and relevant solutions to realistic design briefs produced as professionally viable visuals and print pre-press documents.

### **81840**

#### **Advanced Computer-aided Design**

*4cp*

This subject provides students with a theoretical background and working experience in computer-aided design (CAD) and computer graphics systems. A series of lectures and seminars on developments in CAD programs and computer graphics, and projects provide direct experience of complex systems.

### **81920**

#### **Marketing and Design**

*4cp*

This subject provides students with a working knowledge of the concept of marketing, and an understanding of the problems faced by management in achieving marketing success. It consists of a series of seminar/tutorials including case studies concerned with such topics as market segmentation, market research, new product development, packaging, pricing, promotion, advertising, product

image, test marketing, strategies and tactics for existing products, services and societal marketing, legislation, and consumerism.

### **81921**

#### **Innovation, Management and Design**

*4cp*

This subject provides students with an understanding of innovation, its place in the planning and management of commercial and industrial firms, and the role of the designer in the processes of innovation and change. It consists of a series of seminars/tutorials and case studies concerned with such topics as development of new products and services, research / development / marketing / production interfaces, managing technological change, planning models and techniques and predictive models.

### **81922**

#### **Computer-aided Design**

*4cp*

This subject provides students with a theoretical background and some working experience in computer-aided design (CAD) and computer graphics systems. A series of lectures and seminars on recent developments in CAD and computer graphics and projects provide direct experience of typical systems.

### **81923**

#### **Introduction to Design Computing**

*4cp*

This subject provides students with a working knowledge of the principles and applications of computer graphics to problem solving. The graphics techniques will include paintbrush systems, typography and spreadsheets. Projects provide an introduction to micro-computers, graphics and word-processing software packages.

### **81924**

#### **Computer Graphics 2**

*4cp*

This subject aims to give selected students, who have attained appropriate experience in computer graphics and design skills, the ability to understand and operate high-end computer graphics and design programs. Students will be set a variety of projects and they will be required to undertake a wide range of computer programs. They will also be encouraged to develop their imagination,

creativity and conceptual depth. The studio/design format of the class will be supported by visits to computer graphics agencies and in-class workshops with practising computer graphics designers.

## 81925

### 3D Computer Animation 1

4cp

This subject equips students with the basic knowledge of both the theory and operation of computer animation and the different types of computer graphics. Topics covered include computer animation systems, animation software, animation production and dropping animation to videotape.

## 82004

### Design Decision Making

4cp

This subject provides students with an understanding of the ways in which individuals and groups make and implement decisions regarding policies and actions, with particular reference to design decisions. Lectures, seminars and tutorials are concerned with such issues as: thought and decision making; overt and intuitive decision making; defining problems and developing appropriate decision-making strategies; scientific methods, logic and the rational decision-making model.

## 82009

### Human Factors and Design

4cp

This subject provides an understanding of the physiological, psychological and social factors pertinent to the successful interaction of humans, environments and machines in a range of contemporary work situations.

## 82013

### Research Seminar

4cp

This subject gives students an understanding of the role and incentive for research in areas associated with design and enables them to assist each other in the early development of research projects. The subject consists of a series of lectures and student presentations.

## 82014

### Special Studies 2

4cp

A continuation of 82913 Special Studies 1 for advanced investigation of a design topic.

## 82015

### Appropriate Technology

4cp

This subject develops an awareness of the social linkages of technology (environmental, social, psychological, legal, ethical, health and safety, economic, institutional), the current form of these linkages and opportunities for the future. It is presented through lectures and student discussions which focus on different aspects of the technology/society interface, using contemporary issues where possible.

## 82016

### Graphic Visualisation

4cp

This subject expands the awareness and ability of students with other disciplinary backgrounds to generate ideas and communicate visually through 'hands-on' experience.

## 82017

### 2D and 3D Communication

4cp

This subject introduces methods and conventions to explain design intentions through three-dimensional model forms and two-dimensional drafting techniques and processes.

## 82901

### Psychology of Design

4cp

This subject covers aspects of psychology especially relevant to design practice. Lectures and seminars are conducted on relevant examples and case studies to develop insights into the following: the fundamentals of human perception; nonverbal communication; human behaviour in small-scale environments such as workplaces and domestic situations; and human behaviour in large-scale environments such as towns and cities.

## 82902

### Sociology of Design

4cp

This subject provides a sociological perspective and social definition of the designer, an understanding of the designer's role in contemporary society, and the social uses of design.

## 82903

### Technological Change

4cp

This subject provides an appreciation of political, economic and social influences on technological change and the processes developed to foster technological change. Particular emphasis is given to the Australian situation.

## 82905

### Research Methods

4cp

This subject gives students an understanding of methods of research. It combines lectures with opportunities for first-hand experience. Lectures include choosing a topic, fact finding, assessment of information, problem definition and bounding, problem solving, project planning, forecasting and report writing. This is supplemented by practical sessions in the use of a major research library and especially its resources (abstracts, indices, computer databases), and problem solving (synetics, brainstorming).

## 82912

### Design Seminar

4cp

This subject identifies and discusses contemporary issues in design theory and practice to help in selecting suitable topics for Master's projects.

## 82913

### Special Studies 1

4cp

This subject provides the opportunity for post-graduate students to pursue, as individuals, topics of interest or concern within any field of design.

## 82914

### Photography and Video

4cp

This subject introduces students to photography and video for the documentation of 'authentic' information and the communication of ideas.

## 82915

### Photography for Designers

4cp

This subject introduces students to photography and its applications to enhance the communication of design projects.

## 82916

### Video for Designers

4cp

This subject introduces students to the use of video and its applications for the communication of design ideas.

## 82917

### Information Retrieval

4cp

This subject will provide a comprehensive yet practical understanding of information-retrieval practices essential to effective professional and personal operation. It will address both formal and informal, traditional and novel resources.

## 82918

### Design Ethics

4cp

The subject enables a more critically incisive and rigorous appraisal of designing and designs as they impact on users and communities. It encourages the application of or demand for socially responsible criteria as an integral aspect of functional efficiency in design. It promotes an ethical and hence professional basis for evaluating design priorities and practical outcomes.

## 82919

### Sustainable Design

4cp

This subject explores the relation between ecological sustainability and design practice, leading in turn towards the development of ecodesign practices which usefully contribute towards a sustainable society.

**89012****Design Practice 2***4cp*

This subject continues on from 89914 Design Practice 1 and provides an understanding of the designer/client interface in environmental and industrial design. Students undertake two individual research and design projects.

**89013****Design Case Studies 2***4cp*

A continuation of 89912 Design Case Studies 1.

**89104****Design and Society***4cp*

This subject develops issues raised in 89919 Design and Technology by examining the responsibility of design in society and the education process. It covers the implications of technological change in the context of the wants and needs of society. It focuses on project briefing, evaluation, feedback and assessment as they affect all three groups: teacher/client; student/design; market/user.

**89912****Design Case Studies 1***4cp*

This subject covers the following topics: forms of design practice; the design processes used in the solution of a broad range of design problems; the values employed by designers in their work; and the means by which designs are evaluated. Areas addressed include town planning, landscape design, architecture, interior design, fashion design, textile design, industrial design, film and television production, graphic design, exhibition design. Lectures involve practising designers, who focus on their professional roles, responsibilities and methods.

**89914****Design Practice 1***4cp*

This subject covers design methods and techniques of research, decision making and evaluation involved in the practice of design and the designer/client interface. Students work with a designer in the development of a design proposal in the area of exhibition or

environmental design or the manufacturing or communication industry. Students undertake two individual research and design projects.

**89917****Design Project (P/T)***12cp*

This subject is a program of individual supervised research or design.

Assessment is made on submission of an original body of work which usually includes four elements: research, development, evaluation and report. Topics include the following: research, new product development, packaging, pricing, promotion, advertising, product image, test marketing, strategies and tactics for existing products, services and societal marketing, legislation, consumerism.

**89918****Design Project (F/T)***24cp*

As for 89917 Design Project (P/T).

**89919****Design and Technology 1***4cp*

Provides the knowledge and skills integral to the understanding of the processes and practice of design. The content will cover design elements, contextual studies, communication and design methodology. The application of design methodologies to the classroom situation will be considered. Pedagogical content to apply design methodologies in the classroom will support the relevant school curriculum.

**89920****Design and Technology 2***4cp*

This subject further explores and extends issues raised in Design and Technology 1 by examining the interrelationship of design with society and the environment, together with the role of design and design decisions in education. It covers the implications of technological change within the context of the needs and wants of society through the presentation of design briefs. Evaluating ideas and finding solutions to problems and communicating design processes will be discussed and assessed. Pedagogical content to apply design methodologies in the classroom will support the relevant school curriculum.



### **171200**

#### **Heritage and Development (Extended)**

*6cp*

Development of sites of heritage significance, including both statutory and strategic planning issues and practice. Alternative solutions and approaches to the development of historic buildings and precincts. Evaluation of the statutory and community processes involved in heritage issues. This subject comprises the lecture/seminar material as for 17120 Heritage and Development (4cp) with the addition of a further item of assessment related to the objectives of the subject to be negotiated to address specific interests of the student.

### **125240**

#### **Property Development (Extended)**

*6cp*

This subject provides a framework, tools, techniques and practical approaches for individuals and organisations involved in property development. Material covered will include strategic planning; introduction to project management of property developments; team formation, development and management; project initiation, planning, procurement and completion; the property development process; organisational structure and culture; human resource management; industrial relations; characteristics and needs of different property development types. This subject comprises the lecture/seminar material as for 12524 Property Development (4cp) with the addition of a further item of assessment related to the objectives of the subject to be negotiated to address specific interests of the student.

### **125430**

#### **Property Development Project (Extended)**

*6cp*

Integration from the property development process from initiation of development proposal to completion of project. Students teams prepare and present a business case for a property development project which they have identified in response to a given client brief. This subject comprises the lecture/seminar material as for 12524 Property Development (4cp) with the addition of a further item of assessment related to the objectives of the subject to be negotiated to address specific interests of the student.

## INTERNATIONAL STUDIES SUBJECTS

**50140**

### Comparative and Social Change

*(Faculty of Humanities and Social Sciences)*

*8cp; 4hpw*

The aim of this subject is to provide students with an understanding of the processes of modernisation and social change in a comparative context using case studies in countries of Western Europe, Latin America, East and South-East Asia. The lectures will highlight a number of key issues, for example whether the processes of social change are universal or specific; the consequences of modernisation in and for the economy, politics, society, culture and ideology of non-Western societies; and whether the established Eurocentric analytical models are still useful in understanding the modern world. It will be emphasised that differing interpretations of modernisation flow from various relations of power which lead to a multiplicity of views on its meanings and significance.

There are no prerequisites for this subject.

**971111, 972111, 973111, 974111**

### Chinese Language and Culture 1

*8cp; 6hpw; prerequisite: nil*

Chinese 1 aims at developing in students a survival communicative ability in basic social interactions. It teaches students Pinyin, the official transcription system, as a guide to the pronunciation of the Chinese language, and some basic structures and devices of the language. Students are expected to know about 300 Chinese characters by the end of this unit.

### Chinese Language and Culture 2

*8cp; 6hpw; prerequisite: Chinese 1*

Chinese 2 continues to develop in students a survival communicative ability in basic social interactions. It also introduces students to some of the basic structures and devices of the language. Students are expected to know about 600–800 Chinese characters by the end of this unit.

### Chinese Language and Culture 3

*8cp; 6hpw; prerequisite: Chinese 2 or HSC*

*Chinese*

Chinese 3 is the entry point for students who have completed HSC 2/3 Unit Chinese and who first learnt Chinese at school in Australia.

Chinese 3 aims at further developing students' oral communicative competence in basic social interactions. More written texts will be gradually introduced to enhance the ability of students to use Chinese characters. The basic structures and devices of the language will be reinforced. Students are expected to know about 1,200 Chinese characters by the end of this unit.

### Chinese Language and Culture 4

*8cp; 2nd semester, 6hpw; prerequisite:*

*Chinese 3*

Chinese 4 is the second unit for students who have completed HSC 2/3 Unit Chinese.

Chinese 4 aims at further developing students' communicative competence in basic social interactions. More written texts are introduced to enhance the ability of students to use Chinese characters. The basic structures and devices of the language are also reinforced. Students are expected to know about 1,600 Chinese characters by the end of this unit.

### Chinese Language and Culture 5

*8cp; 1st semester, 6hpw; prerequisite:*

*Chinese 4*

Chinese 5 is the third unit for students who first learnt Chinese at school in Australia and obtained HSC-level Chinese.

Chinese 5 aims at further developing students' communicative competence in general social interactions. While reinforcing the macro-skills of reading, writing, listening and speaking, this unit will focus on practical writing skills. Students are expected to know about 2,000 Chinese characters by the end of this unit.

### Chinese Language and Culture 6

*8cp; 6hpw; prerequisite: Chinese 5*

Chinese 6 is the fourth subject for students who have obtained HSC 2/3 Chinese with basic communicative skills and the ability to undertake In-country Study in China.

Chinese 6 aims at further developing students' communicative competence in general social interactions. While reinforcing basic structures and devices of the language, this unit will further develop students' writing skills. Students are expected to know about 2,500 Chinese characters by the end of this unit.

**Chinese Language and Culture 7**

*8cp; 4hpw; prerequisite: a working knowledge of Chinese characters as well as communicative competence in a Chinese language other than Modern Standard Chinese.*

Chinese 7 is for students who have a working knowledge of Chinese characters as well as communicative competence in a Chinese language other than Modern Standard Chinese.

This unit aims at developing communicative competence to meet students' needs in social and professional interactions where Modern Standard Chinese (also known as Mandarin, Putonghua or Guoyu) is used. Simplified characters, pronunciation, intonation and situational Chinese usages are the focus of class instruction.

**Chinese Language and Culture 8**

*8cp; 4hpw; prerequisite: Chinese 7 or equivalent*

This unit aims at developing a communicative competence at a more sophisticated level. Students are exposed to a range of Chinese texts in varied socio-cultural contexts to master Chinese for different purposes, and are provided with opportunities to further improve speaking and listening skills through discussions of the texts and making cross-cultural comparisons.

**Chinese Language and Culture 9**

*8cp; 4hpw; prerequisite: Chinese 8 or equivalent*

This unit aims at developing in students a high level of communicative competence required for understanding various electronic and published media articles, correspondence and texts related to contemporary society where Modern Standard Chinese (also known as Mandarin, Putonghua or Guoyu) is used. Students are exposed to a range of Chinese texts to master Chinese for different purposes, and are provided with opportunities to maintain speaking and listening skills through discussion of texts.

**Chinese Language and Culture 10**

*8cp; 4hpw; prerequisite: Chinese 9 or equivalent*

This unit aims at further developing in students a high level of communicative competence in reading and writing to meet students' needs in social and professional interactions where Modern Standard Chinese

(also known as Mandarin, Putonghua or Guoyu) is used. Students are exposed to a range of diverse texts of modern Chinese literature, history, language and culture to master written Chinese for different purposes, and are provided with further opportunities to maintain speaking and listening skills through discussion of the texts.

**971121, 972121, 973121, 974121****Cantonese Language and Culture A-1**

*8cp; 1st semester, 6hpw; prerequisite: nil*

Cantonese A-1 is the first subject in the Cantonese A program. It is designed to provide students who have no prior knowledge of Cantonese with basic survival skills in language and culture, and the ability to undertake In-country Study in South China.

This subject aims at developing in students a survival communicative ability in basic social interactions. It also deals with the basic language structures and devices of Cantonese. Students will be taught the basic structures of Chinese writing and are expected to know about 150 Chinese characters by the end of the subject.

Cantonese A-1 consists of 78 hours of classroom instruction, involving many interactive group and pair-work activities. Audiovisual equipment and computers will be used to facilitate teaching and learning. A communicative approach is adopted for classroom instruction and students are expected to participate actively in all classroom activities in the process of acquiring language skills. The teaching incorporates an introduction to Cantonese culture and helps students to appreciate the wider cultural ramifications of Cantonese in various contexts.

**Cantonese Language and Culture A-2**

*8cp; 2nd semester, 6hpw; prerequisite: Cantonese A-1*

Cantonese A-2 is the second subject in the Cantonese A program. It is designed to provide students who have no prior knowledge of Cantonese with basic survival skills in language and culture, and the ability to undertake In-country Study in South China.

This subject aims at developing in students a communicative and linguistic competence in basic social interactions. It also deals with some of the basic structures and devices of Cantonese. Students will be taught the basic structures of Chinese writing and are expected to know about 300 Chinese characters by the end of the subject.

Cantonese A-2 consists of 78 hours of classroom instruction, involving many interactive group and pair-work activities. Audiovisual equipment and computers will be used to facilitate teaching and learning. A communicative approach is adopted for classroom instruction and students are expected to participate actively in all classroom activities in the process of acquiring language skills. The teaching incorporates an introduction to Cantonese culture and helps students to appreciate the wider cultural ramifications of Cantonese in various contexts.

### **Cantonese Language and Culture A-3**

*8cp; 1st semester, 6hpw; prerequisite: Cantonese A-2*

Cantonese A-3 is the third subject in the Cantonese A program. It is designed to provide students who have no prior knowledge of Cantonese with basic survival skills in language and culture, and the ability to undertake In-country Study in South China.

This subject aims at developing in students a communicative and linguistic competence in general social interactions. It also deals with the language structures and devices of Cantonese. Discourse features such as registers and polite forms will be discussed. More Cantonese vocabulary and idiomatic expressions will be introduced. Students are expected to know about 500 Chinese characters by the end of the subject.

Cantonese A-3 consists of 78 hours of classroom instruction, involving many interactive group and pair-work activities. Audiovisual equipment and computers will be used to facilitate teaching and learning. A communicative approach is adopted for classroom instruction and students are expected to participate actively in all classroom activities in the process of acquiring language skills. The teaching incorporates an introduction to Cantonese culture and helps students to appreciate the wider cultural ramifications of Cantonese in various contexts.

### **Cantonese Language and Culture A-4**

*8cp; 2nd semester, 6hpw; prerequisite: Cantonese A-3*

Cantonese A-4 is the last subject in the Cantonese A program. It is designed to provide students who have no prior knowledge of Cantonese with basic survival skills in language and culture, and the ability to undertake In-country Study in South China.

This subject aims at developing in students a communicative and linguistic competence in general social interactions. It deals with the more complex language structures and devices of Cantonese. A number of Cantonese discourse features will be discussed. More Cantonese vocabulary and idiomatic expressions will be introduced. Students are expected to know about 800 Chinese characters by the end of the subject.

Cantonese A-4 consists of 78 hours of classroom instruction, involving many interactive group and pair-work activities. Audiovisual equipment and computers will be used to facilitate teaching and learning. A communicative approach is adopted for classroom instruction and students are expected to participate actively in all classroom activities in the process of acquiring language skills. The teaching incorporates an introduction to Cantonese culture and helps students to appreciate the wider cultural ramifications of Cantonese in various contexts.

### **Cantonese Language and Culture B-1**

*8cp; 1st semester, 4hpw; prerequisite: a working knowledge of one of the Chinese languages*

Cantonese B-1 is the first of a two-subject language program for students who have a working knowledge of at least one Chinese language to prepare them for a year of In-country Study in South China.

This subject aims at developing the students' communicative and linguistic competence in general social interactions where Cantonese is used. The Yale romanisation for transcribing Cantonese and pronunciation will be discussed in class. Situational Cantonese usages in different contexts are the main focus of class instruction. The teaching incorporates an introduction to Cantonese culture and helps students to appreciate the wider cultural ramifications of Cantonese in various contexts.

Cantonese B-1 consists of 52 contact hours of classroom instruction, involving many interactive group and pair-work activities. Audiovisual equipment and computers will be used to facilitate teaching and learning. The teaching approach adopted is 'communicative' and students are expected to participate actively in all classroom activities in the process of acquiring language skills.

**Cantonese Language and Culture B-2**

*8cp; 2nd semester, 4hpw; prerequisite: Cantonese B-1*

Cantonese B-2 is the second of a two-subject language program for students who have a working knowledge of at least one Chinese language to prepare them for a year of In-country Study in South China.

This subject aims at further developing the students' communicative and linguistic competence in general social interactions where Cantonese is used. Situational Cantonese usages and vocabulary in different contexts are the main focus of class instruction. Discourse features of Cantonese will also be discussed. The teaching incorporates an introduction to Cantonese culture and helps students to appreciate the wider cultural ramifications of Cantonese in various contexts.

This subject consists of 52 contact hours of classroom instruction, involving many interactive group and pair-work activities. Audiovisual equipment and computers will be used to facilitate teaching and learning. The teaching approach adopted is 'communicative' and students are expected to participate actively in all classroom activities in the process of acquiring language skills.

**971211, 972211, 973211, 974211**

**Japanese Language and Culture 1**

*8cp; 1st semester, 6hpw; prerequisite: nil*

This is the first subject in the Japanese Language and Culture program. It is designed as the first step in providing students with no prior knowledge of Japanese with the basic survival language skills and socio-cultural awareness to enable them to undertake In-country Study in Japan.

While focusing primarily on the development of speaking and listening skills, this subject also provides a working knowledge of the hiragana and katakana scripts and approximately 50 kanji. Socio-cultural aspects are integrated into the program as they relate to the need for students to learn to use the language appropriately in various social and cultural contexts.

**Japanese Language and Culture 2**

*8cp; 2nd semester, 6hpw; prerequisite: Japanese 1*

This is the second in a series of four units for students with no prior knowledge of the Japanese language. By the completion of this subject, students should be able to demonstrate the language and socio-cultural skills required to establish and maintain relationships in social or work-related spheres, and fulfil basic survival needs in a Japanese-speaking environment.

Emphasis is given to the development of speaking and listening skills, but students will also further develop their reading and writing skills. Besides kana they will know approximately 150 kanji by the end of the unit. Socio-cultural aspects are introduced into the program as they relate to the need for students to learn to use the language appropriately in various social and cultural contexts.

**Japanese Language and Culture 3**

*8cp; 1st semester, 6hpw; prerequisite: Japanese 2 or HSC Japanese*

Japanese 3 is the third in a series of four units for students with no prior knowledge of the Japanese language, or first in a series of four units for students who have successfully completed HSC-level Japanese. By the end of the subject, students are expected to have achieved survival proficiency, and be able to satisfy survival needs and limited social demands relating to topics and situations covered.

At the end of the subject, students are expected to have developed their listening, speaking, reading and writing skills in order to be able to communicate in everyday situations, and be able to demonstrate an awareness of the social implications of language and behaviour. It is expected that students will know approximately 250 kanji by the end of the unit.

**Japanese Language and Culture 4**

*8cp; 2nd semester, 6hpw; prerequisite: Japanese 3*

Japanese 4 is the fourth in a series of four units for beginners. It is also the second in a series of four units for those who have successfully completed the 2-unit HSC course or its equivalent and aim to further develop Japanese listening, speaking, reading and writing skills. By the end of the subject, students are expected to have achieved limited social proficiency, and be able to interact in

limited social, study and work contexts with Japanese speakers in Japan or Australia. They will also have learnt approximately 350 kanji.

### **Japanese Language and Culture 5**

*8cp; 1st semester, 6hpw; prerequisite: Japanese 4*

Japanese 5 is the third in a series of four units in the post-HSC series, and is for those who have successfully completed either Japanese 4 or its equivalent and aim to further develop listening, speaking, reading, writing and cultural skills. By the end of the subject, students are expected to have achieved limited social proficiency, and be able to satisfy routine social and limited work demands. The emphasis is on the development of the language and cultural sensitivity required in both formal and informal situations. By the end of the subject, students are expected to be able to read and write approximately 470 kanji.

### **Japanese Language and Culture 6**

*8cp; 2nd semester, 6hpw; prerequisite: Japanese 5*

Japanese 6 is the final subject in a series of four units in the post-HSC series and is for those who have successfully completed either Japanese 5 or its equivalent. By the end of this subject, students are expected to have achieved minimal vocational proficiency, and be able to speak the language with sufficient structural accuracy and vocabulary to participate effectively in many formal and informal conversations on practical, social and limited vocational topics. The emphasis is on the development of the language and cultural sensitivity required in both formal and informal situations. By the end of the subject, students should be able to read simple prose and read and write approximately 590 kanji.

## **971311, 972311, 973311, 974311**

### **Indonesian Language and Culture 1**

*8cp; 1st semester, 6hpw; prerequisite: nil*

Indonesian 1 is the first in a series of four units for students with no prior knowledge of Indonesian. By the end of the subject, students are expected to have achieved elementary proficiency and be able to satisfy immediate needs using learnt utterances and phrases relating to the following 10 themes: self and family; direction and location; time; food and drink; buying and selling; description; archipelago and continent; travel and transport; media and the press; and love and sex.

Students are expected to develop a vocabulary of about 800–1,000 words, a knowledge of basic word-order patterns, and a familiarity with the alphabet and pronunciation patterns. This subject prepares people to exchange basic personal information using spelling and numeracy skills for names, addresses and time references etc.; engage in brief conversations within the range of themes covered; and express immediate needs with socially appropriate phrases. Students should be able to understand a limited amount of everyday written language e.g. on signs and in menus.

### **Indonesian Language and Culture 2**

*8cp; 2nd semester, 6hpw; prerequisite: Indonesian 1*

Indonesian 2 is the second in a series of four units for students with no prior knowledge of Indonesian. By the end of the subject, students are expected to have achieved minimum survival proficiency, and be able to satisfy basic survival needs and minimum courtesy requirements relating to the following 10 themes: health; house and home; contacts and appointments; education and study; career and occupations; city and village; religion and beliefs; personalities and biography; letters; and Australia-Indonesia relations.

Students are expected to develop a vocabulary of about 1,600–2,000 words, a knowledge of common word-order patterns and the ability to recognise common affixational patterns. This subject prepares students to make simple appointments and arrangements with people, exchange personal background information, engage in five- to ten-minute conversations on the themes covered, and express feelings, likes and dislikes. Students should be able to understand short, practical pieces of written information, such as familiar signs, commands and timetables, and develop skills for reading longer, less familiar written forms.

### **Indonesian Language and Culture 3**

*8cp; 1st semester, 6hpw; prerequisite: Indonesian 2 or HSC Indonesian*

Indonesian 3 is the third in a series of four units for students with no prior knowledge of Indonesian, or first in a series of four units for students who have successfully completed HSC-level Indonesian. By the end of the subject, students are expected to have achieved survival proficiency, and be able to satisfy survival needs and limited social demands relating to the following themes: personal relations; education – young generation;

students; politics; 'pop' culture; religion and beliefs; tourism and its influences; trade; and economics and business.

Students are expected to develop a vocabulary of about 3,000 words by the end of the subject, a knowledge of common word-order patterns, and the ability to recognise, predict and use common affixational patterns. This subject prepares students to engage in short conversations on familiar issues without undue hesitation and with an ability to express their opinion. Students should also be able to comprehend simple texts, such as messages, instructions and directions, and write simple formulaic letters.

#### **Indonesian Language and Culture 4**

*8cp; 2nd semester, 6hpw; prerequisite: Indonesian 3*

Indonesian 4 is the fourth in a series of four units for students with no prior knowledge of Indonesian, or second in a series of four units for students who have successfully completed HSC-level Indonesian. By the end of the subject, students are expected to have begun to develop minimum social proficiency, and be able to satisfy limited routine social and work demands. The subject covers the following themes: the role of women; employment/labour; employers; mainstream/marginal cultures; literature; unity and diversity (multiculturalism); the environment; and Australia-Indonesia relations.

Students are expected to have developed a vocabulary of about 4,000 words by the end of the subject. They should also have developed an ability to recognise, predict and use common word-order and affixational patterns, and to participate in a limited range of social situations with appropriate language. This subject prepares students to be able to discuss familiar events and topics, and give opinions without undue hesitation and with the ability to justify themselves. Students should also be able to deal with short texts and correspond with Indonesians on familiar topics.

#### **Indonesian Language and Culture 5**

*8cp; 1st semester, 6hpw; prerequisite: Indonesian 4*

Indonesian 5 is the third in a series of four units for students who have successfully completed HSC-level Indonesian. By the end of the subject, students are expected to have developed minimum social proficiency, and be able to satisfy routine social and limited work demands. The subject covers the following

themes: perceptions of the past; the origin of the New Order; aspirations; achievements; problems; political culture and participation; class and social stratification; and gender.

Students completing the subject should have a vocabulary of about 5,000 words. They should have the ability to recognise and reflect on ways in which vocabulary and grammatical patterns vary in different situational contexts, and how choices in grammar and vocabulary can convey the point of view of the writer and speaker beyond the basic transmission of information. This subject prepares students to discuss a range of social topics and a limited range of work topics, and present rudimentary arguments or points of view expressed with socially appropriate phrases to limit possible misunderstanding or offence. Students should also be able to understand the general thread of articles and documents on familiar topics, and write short texts, such as letters and instructions.

#### **Indonesian Language and Culture 6**

*8cp; 2nd semester, 6hpw; prerequisite: Indonesian 5*

Indonesian 6 is the fourth in a series of four units for students who have successfully completed HSC-level Indonesian. By the end of the subject, students are expected to have begun to develop a minimum vocational language proficiency, and be able to satisfy all routine social and a significant range of work demands. The subject covers the following themes: social and cultural pluralism; national and economic development; science; technical and scientific development; religion and popular culture; and internationalisation.

Students should have a vocabulary of about 6,000 words by the end of the subject. They should also have the ability to vary their language appropriately in accordance with a range of social and work situations, and be able to recognise and manipulate vocabulary and grammatical patterns. This subject prepares students to be able to present arguments or points of view, with the ability to frame them in a style that is appropriate to the social, cultural and interpersonal factors present. Students should also be able to understand articles and documents on familiar topics, and write short texts, such as letters, descriptions and simple explanations.

**971320, 972320, 973320, 974320****Thai**

Thai is offered to UTS students through the language program offered jointly by the University of Sydney and Macquarie University. The program is designed to allow complete beginners in Thai to reach a survival level that will allow them to continue their studies in Thailand. If student numbers permit, classes will be available on UTS campuses.

**971331, 972331, 973331, 974331****Malaysian Language and Culture 1**

*8cp; 1st semester, 6hpw; prerequisite: nil*

Malaysian 1 is the first in a series of four units for students with no prior knowledge of the language. By the end of the subject, students are expected to have achieved elementary proficiency and be able to satisfy immediate needs using learnt utterances and phrases relating to the following 10 themes: self and family; direction and location; time; food and drink; buying and selling; description; archipelago and continent; travel and transport; media and the press; and love and sex.

Students are expected to develop a vocabulary of about 800–1,000 words, a knowledge of basic word order patterns and familiarity with the alphabet and pronunciation patterns. This subject prepares people to exchange basic personal information using spelling and numeracy skills for names, addresses and time references, to engage in brief conversations within the range of themes covered, and express immediate needs with socially appropriate phrases. Students should be able to understand a limited range of everyday written language, such as signs and items and prices on menus.

**Malaysian Language and Culture 2**

*8cp; 2nd semester, 6hpw; prerequisite: Malaysian 1*

Malaysian 2 is the second in a series of four units for students with no prior knowledge of Malaysian. By the end of the subject, students are expected to have achieved minimum survival proficiency and to be able to satisfy basic survival needs and minimum courtesy requirements relating to the following 10 themes: health; house and home; contacts and appointments; education and study; career and occupations; city and village; religion and belief; personalities and biography; letters; and Australia-Malaysia relations.

Students are expected to develop a vocabulary of about 1,600–2,000 words, a knowledge of common word order patterns and the ability to recognise common affixational patterns. This subject prepares students to make simple appointments and arrangements with people, exchange personal background information, engage in five- to ten-minute conversations on the themes covered and express limited feelings, likes and dislikes. Students should be able to understand short practical written information, such as familiar signs, commands and timetables and develop skills for reading longer, less familiar written forms.

**Malaysian Language and Culture 3**

*8cp; 1st semester, 6hpw; prerequisite: Malaysian 2*

Malaysian 3 is the third in a series of four units for students with no prior knowledge of Malaysian, or first in a series of four for students who have prior knowledge or experience in Malaysian. By the end of the subject, students are expected to have achieved survival proficiency and be able to satisfy survival needs and limited social demands relating to the following themes: personal relations; education – young generation; students; politics; ‘pop’ culture; religion and belief; tourism and its influences; trade; economics; and business.

Students are expected to develop a vocabulary of about 3,000 words by the end of the subject, a knowledge of common word order patterns and the ability to recognise, predict and use common affixational patterns. This subject prepares students to engage in short conversations on familiar issues without undue hesitation and with a limited ability to express opinions. Students should also be able to comprehend simple texts, such as messages, instructions and directions and write simple formulaic letters.

**Malaysian Language and Culture 4**

*8cp; 2nd semester, 6hpw; prerequisite: Malaysian 3*

Malaysian 4 is the fourth in a series of four units for students with no prior knowledge of Malaysian, or second in a series of four units for students who have prior knowledge or experience of Malaysian. By the end of the subject, students are expected to have begun to develop ‘minimum social proficiency’ and be able to satisfy limited routine social and work demands demonstrating the following themes: role of women; employment/labour;



employers; mainstream/marginal cultures; literature; unity and diversity (multi-culturalism); the environment; and Australia-Malaysia relations.

Students are expected to have developed a vocabulary of about 4,000 words and an ability to recognise, predict and use common word order and affixational patterns and recognise and respond to a limited range of social situations. This subject prepares students to discuss familiar events and topics and give opinions without undue hesitation and with a limited ability to justify these opinions. Students should also be able to deal with short texts and correspond with Malaysians on familiar topics.

### **Malaysian Language and Culture 5**

*8cp; 1st semester, 6hpw; prerequisite: Malaysian 4*

Malaysian 5 is the third in a series of four units for students who have had prior experience of Malaysian. By the end of the subject, students are expected to have developed minimum social proficiency and be able to satisfy routine social and limited work demands. The subject covers the following themes: perceptions of the past; aspirations, achievements, problems; political culture and participation; class and social stratification; and gender.

Students completing the subject should have a vocabulary of about 5,000 words, and the ability to recognise and reflect on ways in which vocabulary and grammatical patterns vary according to situation, and how choices in grammar and vocabulary can convey the point of view of the reader and speaker beyond the basic transmission of information. This subject prepares students to discuss a range of social topics and limited range of work topics and present rudimentary arguments or points of view expressed with socially appropriate phrases to limit possible misunderstanding or offence. Students should also be able to understand the general thread of articles and documents on familiar topics and write short texts, such as letters and instructions.

### **Malaysian Language and Culture 6**

*8cp; 2nd semester, 6hpw; prerequisite: Malaysian 5*

Malaysian 6 is the fourth in a series of four units for students who have had prior experience of Malaysian. By the end of the subject, students are expected to have begun to develop minimum vocational proficiency and to be able to satisfy all routine social and a significant

range of work demands relating to the following themes: social and cultural pluralism; national and economic development; science; technical and scientific development; religion and popular culture; and internationalisation.

Students should have a vocabulary of about 6,000 words by the end of the subject, the ability to vary their language appropriately in accordance with a limited range of social and work situations, be able to recognise and manipulate a choice of vocabulary and grammatical patterns on a limited level and to convey certain points of view. This subject prepares students to discuss a range of social topics and limited range of work topics, to present arguments or points of view, and to frame these in a style appropriate to the social, cultural and interpersonal factors present. Students should also be able to understand articles and documents on familiar topics and write short texts, such as letters, descriptions and simple explanations.

**971414/5, 972414/5, 973414/5,  
974414/5**

### **French Language and Culture**

The French language programs offered through the Institute for International Studies are those taught at the University of Sydney and Macquarie University. Both universities teach the language at various levels, accommodating different levels of proficiency. The French subjects develop communicative skills in listening, speaking, reading and writing, and introduce students to literary texts. Students also learn about French culture and contemporary society.

**971424/5, 972424/5, 973424/5,  
974424/5**

### **German Language and Culture**

The German language programs offered through the Institute for International Studies are those taught at the University of Sydney and Macquarie University. Both universities teach the language at various levels, accommodating different levels of proficiency. The German subjects develop communicative skills in listening, speaking, reading and writing, and introduce students to literary texts. Students also learn about German culture and contemporary society.

**971434/5, 972434/5, 973434/5,  
974434/5**

### **Italian Language and Culture**

The Italian language programs offered through the Institute for International Studies are those taught at the University of Sydney and Macquarie University. Both universities teach the language at various levels, accommodating different levels of proficiency. The Italian subjects develop communicative skills in listening, speaking, reading and writing, and introduce students to literary texts. Students also learn about Italian culture and contemporary society.

**971501, 972501, 973501, 974501**

### **Spanish Language and Culture 1**

*8cp; 1st semester, 6hpw; prerequisite: nil*

Spanish 1 is the first in a series of four units designed to provide students who have no prior knowledge of the Spanish language with basic survival skills in language and culture, and the ability to undertake In-country Study in Latin America or Spain.

By the end of the subject, students would be expected to have achieved 'elementary proficiency' and be able to satisfy immediate communication needs using expressions and phrases they have learnt that are required in basic social interaction. The program allows for the development of listening, speaking, reading and writing skills, and an understanding of the socio-cultural contexts in which the language is used. Students gain, in particular, an awareness of the background of Hispanic countries. Students also develop strategies for predicting the meaning of new expressions and anticipating ways of expressing new meanings.

Spanish 1 consists of 78 hours of classroom instruction. The approach adopted is 'communicative' and provides students with many opportunities to interact and use the language in various social and cultural contexts. Audiovisual equipment and computers will be used to facilitate learning.

### **Spanish Language and Culture 2**

*8cp; 2nd semester, 6hpw; prerequisite: Spanish 1*

Spanish 2 is the second in a series of four units designed to provide students who have no prior knowledge of the Spanish language with basic survival skills in language and culture, and the ability to undertake In-country Study in Latin America or Spain.

By the end of the subject, students would be expected to have achieved 'minimum survival proficiency' in speaking, listening, reading and writing, and be able to satisfy immediate communication needs and minimum courtesy requirements in basic social interactions. Students will also develop an understanding of the socio-cultural contexts in which the language is used and further communication strategies.

Spanish 2 consists of 78 hours of classroom instruction. The approach adopted is 'communicative' and provides many opportunities for the students to interact and use the language in various social and cultural contexts. Audiovisual equipment and computers will be used to facilitate learning.

### **Spanish Language and Culture 3**

*8cp; 1st semester, 6hpw; prerequisite: Spanish 2 or HSC Spanish*

Spanish 3 is the third in a series of four units for students with no prior knowledge of the Spanish language, or first in a series of four units for students who have successfully completed HSC-level Spanish or its equivalent. It provides students with basic survival skills in language and culture, and the ability to undertake In-country Study in Latin America or Spain.

By the end of the subject, students would be expected to have achieved a communicative competence in speaking, listening, reading and writing skills in order to be able to satisfy all 'survival' needs and limited social needs. They would also be expected to have developed an awareness of the various social and cultural contexts in which the language is used. In this subject, students develop the ability to understand the general content of magazine and newspaper articles.

Spanish 3 consists of 78 hours of classroom instruction. The approach adopted is 'communicative' and provides many opportunities for the students to interact and use the language in various social and cultural contexts. Audiovisual equipment and computers will be used to facilitate learning.

### **Spanish Language and Culture 4**

*8cp; 2nd semester, 6hpw; prerequisite: Spanish 3*

Spanish 4 is the fourth in a series of four units for students with no prior knowledge of the Spanish language, or second in a series of four units for students who have successfully completed Spanish 3 and HSC-level Spanish

or its equivalent. It provides students with basic survival skills in language and culture, and the ability to undertake In-country Study in Latin America or Spain.

By the end of the subject, students would be expected to have begun to develop the communication skills required to satisfy limited routine social and work demands. They would also be expected to have developed an awareness of the various social and cultural contexts in which the language is used. In this subject, students learn to express opinions, discuss education, entertainment and travel, and develop the language skills and background knowledge required to find accommodation.

Spanish 4 consists of 78 hours of classroom instruction. The approach adopted is 'communicative' and provides many opportunities for the students to interact and use the language in various social and cultural contexts. Audiovisual equipment and computers will be used to facilitate learning.

#### **Spanish Language and Culture 5**

*8cp; 1st semester, 6hpw; prerequisite: Spanish 4*

Spanish 5 is the third in a series of four units designed to provide students who have successfully completed Spanish 4 and HSC-level Spanish or its equivalent with the ability to consolidate and extend their knowledge during a period of In-country Study in Latin America or Spain.

By the end of the subject, students would be expected to have achieved the communicative competence in speaking, listening, reading and writing to be able to satisfy routine social demands and limited work requirements. They would have developed an awareness of the various social and cultural contexts in which the language is used. Students learn to communicate in Spanish to compare lifestyles, university life and education, and practise interview techniques in preparation for In-country Study.

Spanish 5 consists of 78 hours of classroom instruction. The approach adopted is 'communicative' and provides many opportunities for the students to interact and use the language in various social and cultural contexts. There are discussions and debates on set topics. Audiovisual equipment and computers will be used to facilitate learning.

#### **Spanish Language and Culture 6**

*8cp; 2nd semester, 6hpw; prerequisite: Spanish 5*

Spanish 6 is the fourth in a series of four units designed to provide students who have successfully completed Spanish 5 and HSC-level Spanish or its equivalent with the ability to consolidate and extend their knowledge during a period of In-country Study in Latin America or Spain.

By the end of the subject, students would be expected to be able to speak the language with sufficient accuracy to participate in limited formal and informal conversations on practical and social topics. Students would also be expected to be able to read and write with sufficient accuracy to meet a limited range of social and work needs. Language focuses on topics such as the economy, class and social stratification, gender roles, religion and beliefs, literature, and the arts.

Spanish 6 consists of 78 hours of classroom instruction. The approach adopted is 'communicative' and provides many opportunities for the students to interact and use the language in various social and cultural contexts. There are discussions and debates on set topics. Audiovisual equipment and computers will be used to facilitate learning.

#### **971710, 972710, 973710, 974710**

##### **Greek**

Greek is offered to UTS students through arrangements with other universities in Sydney. Students are placed in classes appropriate to their level of competence. The program focuses on furthering writing and oral skills in contemporary Greek and learning about literature, society and culture.

#### **971734, 972734, 973734, 974734**

##### **Russian**

Russian is offered to UTS students through an arrangement with Macquarie University. Students are placed in classes appropriate to their level of competence. The aim of the Russian language program is to give students a good working knowledge of modern written and spoken Russian and to enable them to express themselves in the language correctly and with reasonable facility.

**976101****Chinese East Asia***8cp; 2nd semester, 4hpw*

South China – Hong Kong, Taiwan and the Southern Chinese provinces of Fujian and Guangdong – is a region of global importance. It is a dynamo of economic growth for the East Asia region that has grown out of the economic integration of Hong Kong, Taiwan and South China, and is now expanding to include East China. Yet its constituent parts have developed separately in different and often inimical political systems. As a result of all of these factors, South China is likely to be of increasing importance strategically, economically and politically. This subject examines the development of Hong Kong, Taiwan and South China and their interaction. It is an introductory subject that requires no prior knowledge of the region or of any Chinese language.

**976111****Contemporary China***8cp; 2nd semester, 4hpw*

This subject examines the contours and dynamics of social, political and economic change in the People's Republic of China since the death of Mao Zedong and the start of the reform era. A central theme is the emerging relationship between state and society in a state socialist system in the process of change and reform. It is an introductory subject that requires no prior knowledge of the People's Republic of China or of any Chinese language.

**976211****Contemporary Japan***8cp; 2nd semester, 4hpw*

This subject provides an introduction to the dynamics of political, social and economic systems in Modern Japan. Central themes are the causes and consequences of social change and continuity in the context of Japan's emergence as an economic superpower. In the process, it offers a general introduction to Japan's culture. This subject requires no prior knowledge of Japan or of Japanese.

**976301****Contemporary South-East Asia***8cp; 2nd semester, 4hpw*

This subject provides an introduction to the countries of Indonesia, Malaysia and Thailand. The themes of modernity and identity will be examined at a political-economic level and also at the individual level. Issues which will be explored include migration patterns in the context of regional interrelationships; increasing urbanisation; legacies of colonialism; the commodification of culture and the growing impact of tourism; new creative forms in visual literary and performing arts; the beliefs about and behaviour of women in the region; and ways in which religion and social practice intersect.

**976401****Contemporary Europe***8cp; 2nd semester, 5hpw*

This unit is an introduction and an overview laying the groundwork for the study of contemporary Europe. It surveys present-day European Union institutions and sociopolitical developments and provides a comparative study of political and social developments in the countries of Western and Eastern Europe. It aims to provide students with an understanding of the historical background of the present-day Europe and enable them to identify major contemporary policy issues in this region of the world.

**976501****Contemporary Latin America***8cp; 2nd semester, 4hpw*

Latin America has been a crucible for social, political and economic change in the 19th and 20th centuries. Intense struggles for nationhood, democracy, economic modernisation, and secularisation, have all resonated in the countries of Latin America. During the middle of the 20th century Latin America's primary concerns were focused on national self-determination, inward industrialisation, and populist authoritarian efforts to legitimise elite rule. In the late 20th century the emphasis has shifted towards economic growth, internationalisation, and pressures to improve the capacity and accountability of governments. The unit aims to prepare students with the historical background, cultural awareness and analytic skills to interpret everyday social, political and economic reality during their

period of In-country study. The subject requires no prior knowledge of Latin America or Spanish.

**977xxx**

**In-country Study 1**

*24cp; prerequisite: completion of 4 semesters of study in the International Studies program*

As part of the International Studies combined degrees, students spend two semesters of In-country Study at a university or institution of higher education overseas. This is determined by the student's International Studies major.

The following majors are available in the International Studies program: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam.

**978xxx**

**In-country Study 2**

*24cp; prerequisites: 977xxx In-country Study 1; completion of 4 semesters of study in the International Studies program*

As part of the International Studies combined degrees, students spend two semesters of In-country Study at a university or institution of higher education overseas. This is determined by the student's International Studies major.

The following majors are available in the International Studies program: Argentina, Australia and the Asia-Pacific Region, Chile, China, France, Germany, Greece, Indonesia, Italy, Japan, Malaysia, Mexico, Russia, South China, Spain, Taiwan, Thailand and Vietnam.

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# FACULTY BOARD

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## FACULTY BOARD IN DESIGN, ARCHITECTURE AND BUILDING

### Membership as of 1 July 1999

#### Ex officio members

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*Undergraduate Programs*

Mr T Laurence

*Associate Dean,*

*Research, Graduate and Industry Programs*

Mr S Harfield

*Faculty Manager*

Mr A Heywood

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*Centre for Learning and Teaching*

Ms A Reid

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Mr M Freeman

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Professor F Swinkels

*Faculty Board in*

*Humanities and Social Sciences*

Ms M Hayward

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Mr D Bajaj

Mr E Best

Ms S Best

Mr A Boddy

Dr J Broadbent

Mr P Clarke

Ms L Cousins

Ms L Crawford

Mr G de Valence

Ms G Ding

Ms J Gothe

Ms R Grosvenor

Mr K Heathcote

Mr P Healy

Ms S Hewson

Mr M Hill

Ms V Horridge

Associate Professor A Karantonis

Mr J Kesteven

Mr V Kokotovich

Associate Professor C Langston

Professor D Lenard

Ms C Lockhart

Ms S Looi

Mr R Loveridge

Associate Professor C Nielsen

Dr J Oluwoye

Dr J Phillips

Ms K Remington

Associate Professor C Roberts

Dr G Searle

Mr K Smith

Mr P Smith

Ms M Spear

Mr D Springett

Mr D Thompson

Associate Professor D Tomkin

Mr J Twyford

Mr G Wilkie

Associate Professor J Wilson

#### Elected student members

Mr D Higgins

Mr I Lynch

Ms R McCoy

Ms D Naicent

Mr A Pilcer

# STAFF LIST

---

## *Dean of Design, Architecture and Building*

Professor P G Burgess, BArch (Hons) (N'cle),  
MSc (Arch) (Columbia), MPhil (Lond),  
ARAIA

## *Associate Dean, Research, Graduate and Industry Programs*

S Harfield, BArch (Hons), MArchSt (Adel),  
MSAHANZ, MCSA

## *Associate Dean, Undergraduate Programs*

T Laurence, BSc (Arch), BArch (UNSW),  
FDIA

## **Dean's Unit**

### *Executive Officer to the Dean*

L Silbery, JP

### *Administrative Officer, Research, Graduate and Industry Programs*

L Cousins, BSc (Hons) (UNSW)

### *Executive Assistant, Undergraduate Programs*

D Yelavic

L Young

## **Faculty Office**

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A R Heywood, BADipEd (Macq),  
GradDipMgt (UWS), MBA (UTS)

### *Executive Assistant*

H A Callanan

### *Financial Services Manager*

S Looi

### *Financial Assistant*

A Darcy

### *Purchasing Clerk*

C K H Teo

### *Services Clerk*

Vacant

### *Student Administration Manager*

S A Hewson

### *Assessment and Progression Officer*

N Singh

### *Student Advisers*

S Albert

Vacant

### *Timetable and Facilities Coordinator*

R P Wilson

### *Administrative Assistant*

I Shuhin

### *External Relations Officer*

C Tjhin, B AppSc (Information) (UTS)

## **Faculty technical resources**

### *Laboratory Manager, Building*

G J Moor, StructEngCert (STC)

### *Technical Officer, Textiles*

P P Inwood, CertTypDipTextDes (Wgtn  
Poly), GradDipDesign (UTS)

### *Technical Officer, Fashion*

M V Spear

### *Workshop Manager*

A Pearson

### *Research Officer, Interior Design*

A Joffe

### *Production Coordinator, Creative Imaging*

K Madigan, BDesign (UTS)

### *Laboratory Manager, Photomedia*

Vacant

### *Production Coordinator, Animation and Video*

Vacant

## **Program support clerks**

### *Land Economics*

A Newbold

### *Architecture*

A Wenham

### *Industrial Design/Interior Design*

A Watterson

### *Visual Communication/Fashion and Textiles*

J Sugden

### *Project Management/Urban Estate Management*

R Welsh

### *Construction Management/Building Surveying and Assessment*

Vacant

### *Postgraduate Design*

Vacant

### *Planning/Construction Economics*

Vacant

## **Research staff**

### *ARC SPIRT Grant – Soft Systems for Soft Projects*

K Costello, BA (Hons) (Syd), LLB (UTS)

### *ARC Collaborative Research Study – Project Management Competence*

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**Directors of Programs**

*Architecture*

A Boddy, BArch (Melb), MAppSc (Research) (QUT)

*Building Surveying and Assessment*

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*Construction Economics*

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*Construction Management*

Associate Professor C Roberts, ASTC, LLB (UNSW), FAIQS, AIArb (Aust), Barrister of the Supreme Court of NSW

*Design Postgraduate*

M J Hill, CertGroupwork (SAIT), GradDipMedia (AFTRS), MA (UTS), ASIFA, SAS, IASPM

*Fashion and Textiles*

V Horridge, MDes (RCA), FGI

*Industrial Design*

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**Architecture**

*Adjunct Professors*

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*Associate Professor*

W Barnett, MPhil (Soton), DipArch (Dunelm), FRSA, FRIBA, FRAIA

*Senior Lecturers*

W Granwal, BE (Hons), ME (Auck), MIPENZ, MIEAust, RPEQ

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P Georgiades, BArch (Hons) (UTS)

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Grad IEAust PEng, MAACE, MAIB  
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MAIB  
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AIVLE, ASA  
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*Lecturers*

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R Loveridge, MAppSc (UTS), MAIB, AIMM,  
MAIBS  
G R Small, JP, BSurv, MCom (UNSW)  
J Twyford, DipLaw, AIArb (Aust)

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*Associate Professors*

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C Nielsen, MA (Design) (SCA), LFDIA,  
AADM  
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MHED (UNSW)

*Senior Lecturers*

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K Sweetapple, BDesign (UTS)  
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Poly), CertEd (Dist) (Hatfield Poly), MCSD  
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MA (Syd)

*Associate Lecturer*

N Williams, BDesign (UTS)

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### World Wide Web

<http://www.uts.edu.au>

## City campus

### Broadway

- Building 1 (Tower Building)  
1 Broadway, Ultimo
- Building 2  
1 Broadway, Ultimo
- Building 3 (Bon Marche Building)  
Cnr Harris Street and Broadway, Ultimo
- Building 4  
Cnr Thomas and Harris Streets, Ultimo
- Building 6 (Peter Johnson Building)  
702–730 Harris Street, Ultimo
- Broadway Terraces  
9, 11 and 13 Broadway, Ultimo
- Magic Pudding Childcare Centre,  
Thomas Street, Ultimo

### Haymarket

- Building 5  
Cnr Quay Street and Ultimo Rd, Sydney

### Blackfriars

- Cnr Blackfriars and Buckland Streets,  
Chippendale
- Blackfriars Childrens Centre  
Buckland Street, Chippendale

### Smail Street

- 3 Smail Street, Ultimo

### Quay Street

- 10 Quay Street, Sydney
- Prince Centre,  
Cnr Quay and Thomas Streets

### Wembley House

- 839–847 George Street, Sydney

### Harris Street

- 645 Harris Street, Ultimo

### Student housing

- Bulga Ngurra  
23–27 Mountain Street, Ultimo
- Geegal  
82–84 Ivy Street, Ultimo

### Institute for Sustainable Futures

- National Innovation Centre  
Cnr Garden, Cornwallis and  
Boundary Streets  
Eveleigh, NSW, 1430  
Telephone: (02) 9209 4350  
Fax: (02) 9209 4351

## Kuring-gai campus

- Eton Rd, Lindfield  
(PO Box 222, Lindfield, NSW, 2070)

## St Leonards campus

- Dunbar Building  
Cnr Pacific Highway and  
Westbourne Street, Gore Hill
- Clinical Studies Building, Centenary  
Lecture Theatre and West Wing  
Reserve Road, Royal North Shore Hospital
- Gore Hill Research Laboratories  
Royal North Shore Hospital

## Yarrawood conference and research centre

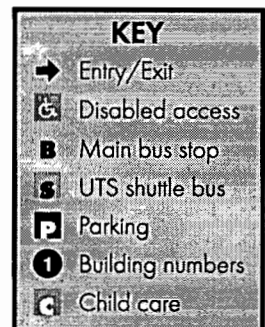
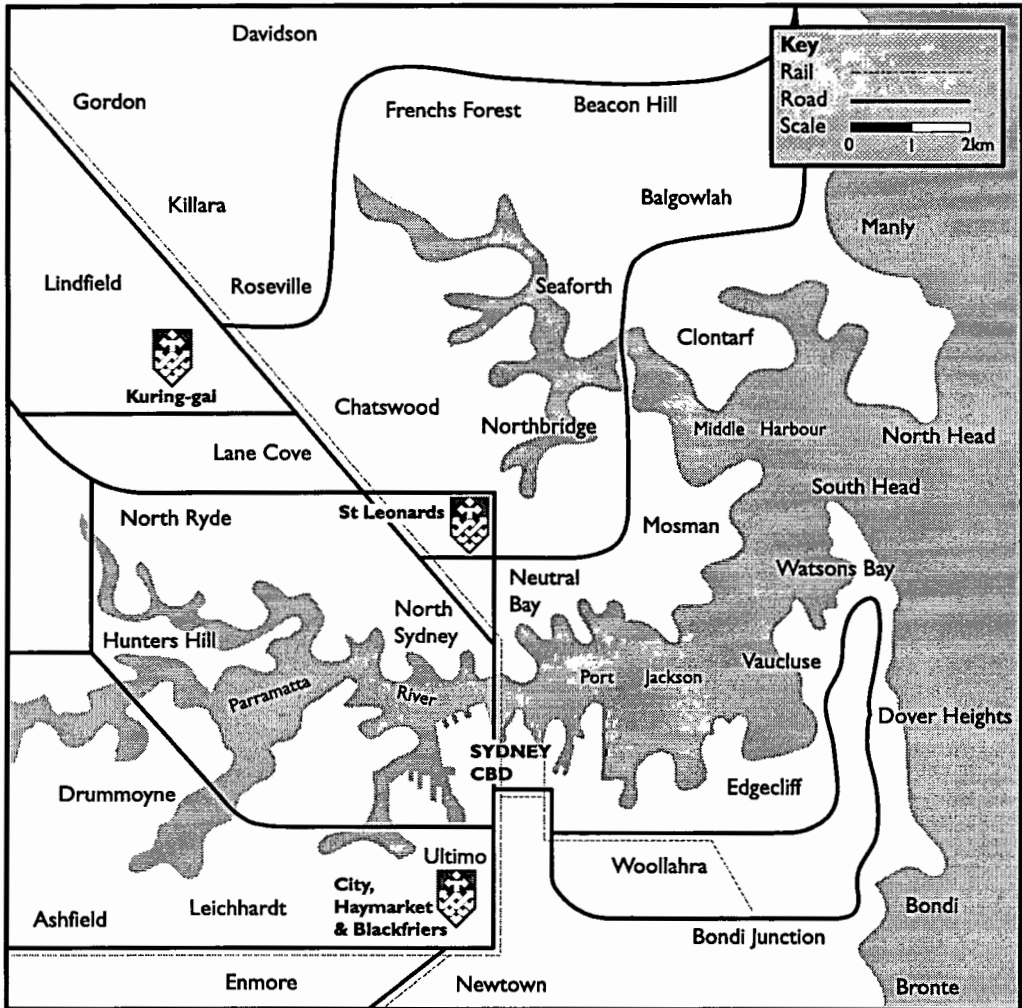
- 689 Springwood Road  
Yarramundi, NSW, 2753

## Stroud Field Station

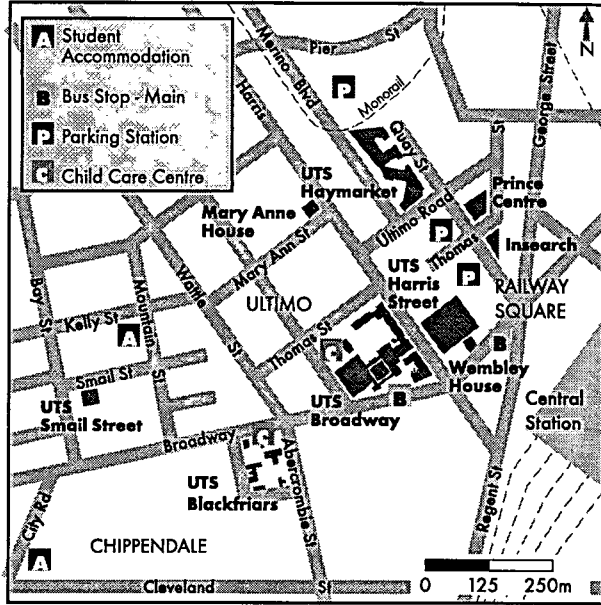
- 2605 The Bucketts Way  
Booral, NSW, 2425

# MAPS

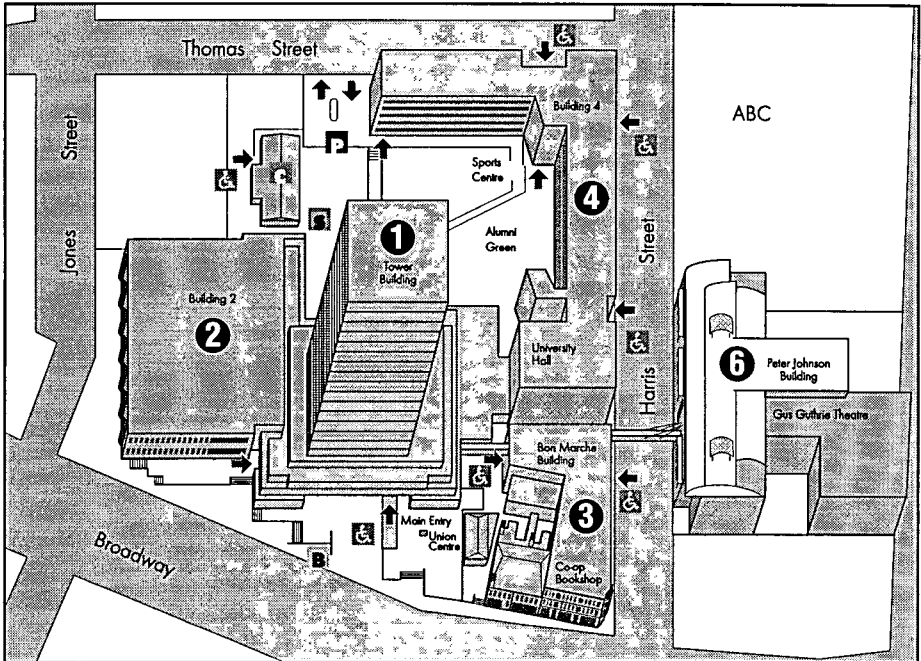
## Sydney regional map



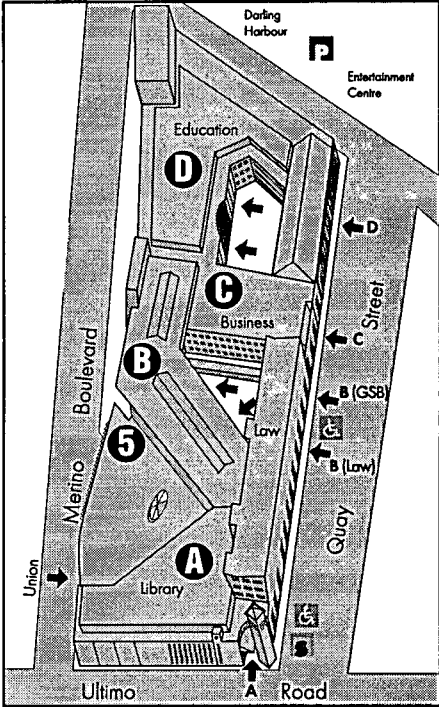
### City campus



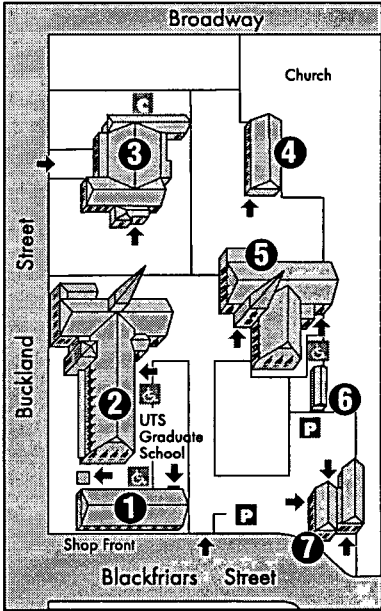
### Broadway



Haymarket

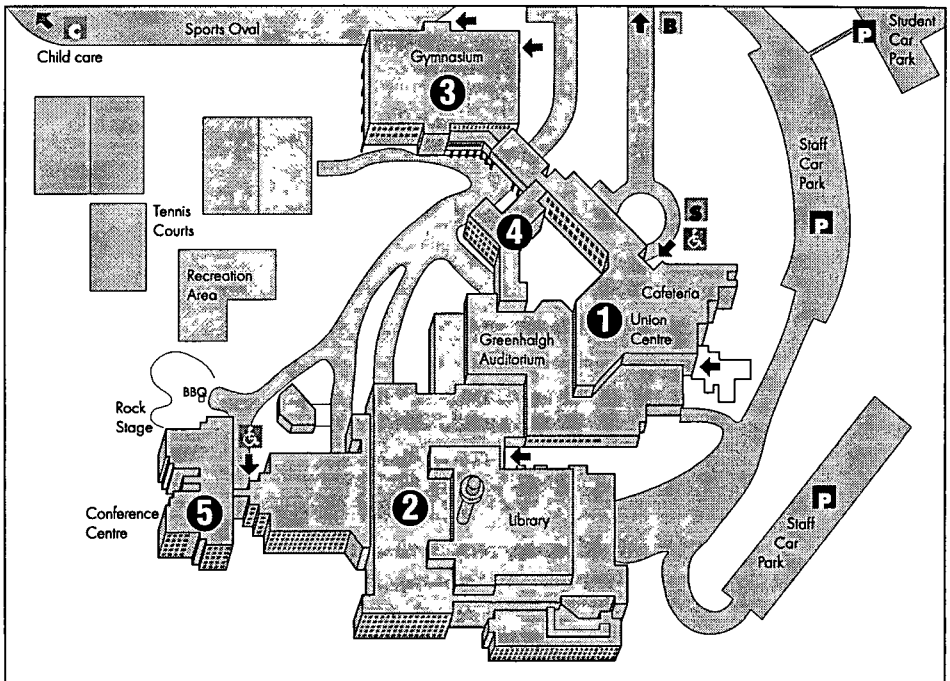
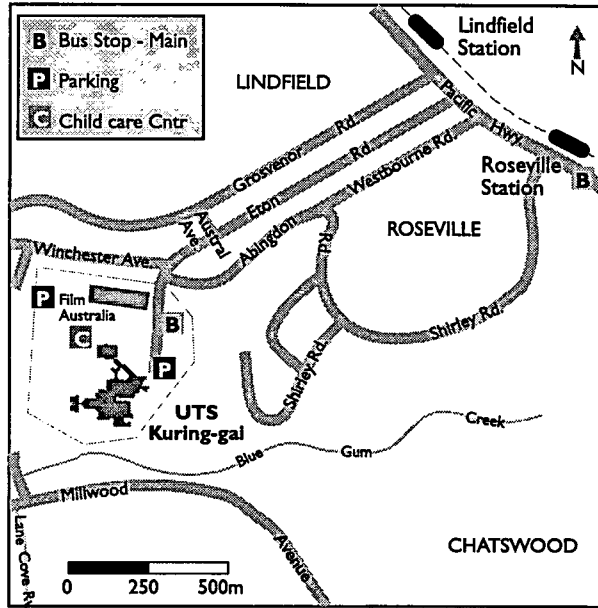


Blackfriars





### Kuring-gai campus



# St Leonards campus

