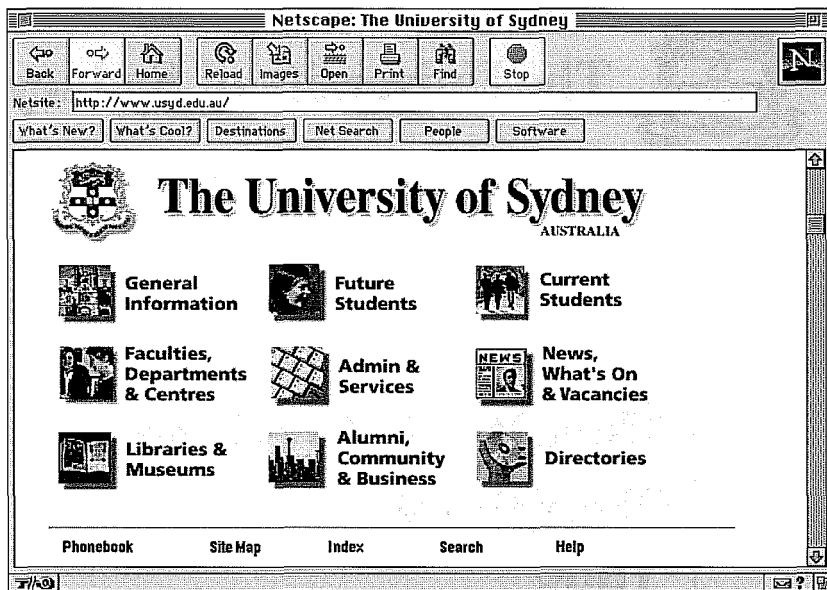




The University of Sydney

Faculty of Architecture
Handbook
1998



The University's homepage tells you all about courses at Sydney, some careers they can lead to, and what university life is like.

The interactive website, with video and sound clips, has links to the University faculties and departments.

You can explore the University of Sydney at <http://www.usyd.edu.au>

Communications should be addressed to:

The University of Sydney
N.S.W. 2006
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Faculty of Architecture Handbook 1998

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The information in this Handbook is subject to approval and/or change by the Faculty or the University. Students should always check the accuracy of the information with Faculty staff.

The University of Sydney
NSW 2006

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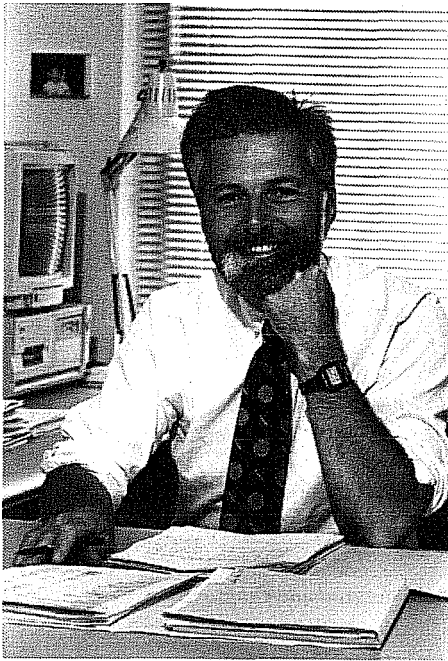
Semester and Vacation Dates 1998

Semester	Day	1998
March Semester lectures begin	Monday	2 March
Easter recess		
Last day of lectures	Friday	10 April
Lectures resume	Monday	27 April
Study vacation		
1 week beginning	Monday	15 June
Examinations commence	Monday	22 June
July Semester lectures begin	Monday	27 July
Mid-semester recess		
Last day of lectures	Friday	18 September
Lectures resume	Tuesday	5 October
Study vacation		
1 week beginning	Monday	9 November
Examinations commence	Monday	16 November

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1. Message from the Dean



Welcome to the Faculty of Architecture at the University of Sydney. This is a broad, multidisciplinary faculty comprised not only of leading architects, urban designers, urban planners, and other design professionals, but also practicing artists, environmental scientists, technologists, and computer scientists. All are focussed on giving you the very best education in your chosen profession and the ability to handle the myriad of issues confronting our built environment.

As the first Faculty of Architecture in Australasia, Sydney offers you a unique blend of compassion for history with a forward vision for the 21st century. With a long and distinguished history of being one of the premier design schools in Australia and neighbouring Asia, you will receive a top-notch design education here from distinguished staff and many of the most exciting young architects working in the profession.

In this Faculty, you can also study to become a professional urban designer or urban or regional planner. Graduates of these programs have become leaders in the urban design and urban planning communities throughout Australia and parts of South-east Asia.

You can also study a variety of related environmental design subjects from architectural history and theory or audio engineering to building services, design computing, digital media, energy conservation, housing, and urban studies. You can pursue any of these topics, and more, within the context of a comprehensive, integrated professionally recognised Bachelor's degree.

In addition to the Faculty's design studios and workshops, the Art Workshop and Tin Sheds Gallery provide you with the opportunity to work in a range of media under the direction of professional artists.

The Faculty also has the largest architectural library and the most advanced centre for design computing in the Australasian region.

Graduates of our faculty are leaders throughout Australia in architectural design, architectural science, design computing, and urban design and planning. Sydney University architecture alumni number well into the thousands, and hold senior professional and academic posts in Australia and around the world. Wherever they are, Sydney graduates are widely recognised, highly sought after, and making an impact.

Please come into the Faculty to meet us and see how you can be part of an exciting design future with a University of Sydney degree.

Professor Gary T. Moore, BArch Calif, MA Clark, PhD Clark, FAPA
Dean of Architecture

2. Guide to Departments in the Faculty

A brief history of the Faculty

The Faculty of Architecture, the first in Australia, was established in 1919 to conduct an undergraduate professional Bachelor of Architecture program. In 1948 the Department of Town and Country Planning was founded within the Faculty and in 1989 was renamed the Department of Urban and Regional Planning. In 1954 a Chair of Architectural Science was created around which the Department of Architectural Science developed. In 1989 the department was renamed the Department of Architectural and Design Science. The Art Workshop became part of the Faculty in 1990 having previously been a central academic service unit which developed from resources provided by the Faculty in the 1960s. Starting in 1998, in order to streamline and improve course offerings, the Faculty is comprised of two major departments: the Department of Architecture, Planning and Allied Arts and the Department of Architectural and Design Science.

There are currently 851 students enrolled in the following 19 degrees, diplomas, and certificate that may be awarded in the Faculty:

Bachelor of Science (Architecture)	BSc(Arch)
Bachelor of Architecture	BArch
Graduate Certificate in Design Science	GradCertDesSc
Graduate Certificate in Urban and Regional Planning	GradCertURP
Graduate Diploma in Design Science	GradDipDesSc
Graduate Diploma in Heritage Conservation	GradDipHeritCons
Graduate Diploma in Housing Studies	GradDipHS
Graduate Diploma in Urban Design	GradDipUrbDes
Graduate Diploma in Urban and Regional Planning	GradDipURP
Master of Architecture	MArch
Master of Heritage Conservation	MHeritCons
Master of Housing Studies	MHS
Master of Design Science	MDesSc
Master of Science (Architecture)	MSc(Arch)
Master of Urban and Regional Planning	MURP
Master of Urban Design	MURbDes
Master of Urban Studies	MURbStud
Doctor of Philosophy	PhD
Doctor of Architecture	DArch

Since 1984 the Faculty has been housed under one roof in the purpose-designed Wilkinson Building, named for Leslie Wilkinson, the first Professor of Architecture in Australia. The building contains the most comprehensive architecture and planning library, the Denis Winston Architecture Library, and the largest and most advanced centre for design computing in Australia. The Faculty also has three research centres and a continuing education unit.

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University of Sydney NSW 2006

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Professor Mary Lou Maher (Research)

Dr Peter Phibbs (Development)

TBA (Undergraduate Studies/Teaching)

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Head of Department Bruce Forwood

3. Brief Introduction to Undergraduate Degrees

The full, professional qualification in Architecture is a two-step program requiring the completion of two degrees over a period of 6 years. The first step is the completion of the Bachelor of Science (Architecture) (BSc(Arch)) which requires a minimum of 144 credit points and is an exit qualification in its own right. This summary, however, assumes that students will be proceeding to the next step, the professional Bachelor of Architecture (BArch) which requires a further 96 credit points taken over 3 years, of which the first is a part-time practical or travelling year. The BSc(Arch) program will then comprise 132 mandatory and 12 elective credit points, while the BArch requires 70 mandatory and 26 elective credit points.

Bachelor of Science (Architecture)

The degree structure is:

FIRST YEAR

DESC 1001	People and the Environment (4)
ARCH 1001	Climate, Landscape and the Built Environment A (3)
DESC 1002	Climate, Landscape and the Built Environment B (3)
ARCH 1002	Materials and Form in Building (3)
DESC 1004	Building Principles (4)
ARCH 1003	History of the Built Environment A (4)
ARCH 1004	History of the Built Environment B (4)
DESC 1003	Mathematics and Science in Design (3)
ARCH 1005	Design Communications A (4)
ARCH 1006	Design Communications B (4)
ARCH 1007	Design A (6)
ARCH 1008	Design B (6)

Credit point total: 48

SECOND YEAR

ARCH 2001	Habitat and Society A (3)
ARCH 2002	Habitat and Society B (3)
ARCH 2003	Landscape Design (3)
ARCH 2004	Construction A (4)
DESC 2002	Structure and Form (3)
DESC 2001	Environmental Science and Technology A (4)
ARCH 2009	Design Communications C (3)
ARCH 2005	Design Communications D (3)
ARCH 2006	Design C (8)
ARCH 2007	Design D (8)

Credit point total: 42 (plus 6 elective credit points)

THIRD YEAR

ARCH 3006	History of the Australian Built Environment (4)
ARCH 3001	The Design Professions (4)
ARCH 3002	Design, Theory and Method (3)
ARCH 3004	Design E (8)

Additional mandatory units required for entry to the BArch

PESC 3001	Environmental Science and Technology B (4)
ARCH 3003	Construction B (5)
DESC 3002	Structural Systems Design (3)
ARCH 3005	Design F (8)
ARCH 3007	Design Support F (2)

Credit point total: 42 (plus 6 elective credit points)

The BSc(Arch) programme also requires a further 12 credit points of elective units taken over second and third year from a broad range of offerings in the following discipline areas:

Design;
History and Theory of Design;
Materials, Structure and Construction;
Social Context of Design and the Built Environment;
Environmental Science and Technology; and/or
Design Communications and Art.

Having now completed the requirements for the BSc(Arch) and met the academic progression requirements to enter the BArch, students may decide to undertake BSc(Arch) Honours degree or proceed directly to:

Bachelor of Architecture

The degree structure is:

FIRST YEAR

Practical Year. Students undertake a range of practical experiences approved by the Faculty, including participation in one of the many international student exchange programs available in the University. Students must also complete the mandatory course Report which is the record of those experiences. Students who have completed the BSc(Arch) Honours proceed direct to second year.

SECOND YEAR

ARCH 2101	Architectural Design 1 (16)
ARCH 2102	Theory of Architecture (3)
ARCH 2104	Architecture in the Twentieth Century (5)
ARCH 2103	Advanced Construction (5)
DESC 2101	Building Services Systems (3)
DESC 2102	Architectural Structures and Materials (5)
ARCH 2105	Contract Documentation (5)

Credit point total: 42 (plus 6 elective credit points)

THIRD YEAR

ARCH 3101	Architectural Design 2 (16)
ARCH 3102	Applications of Technology in Architectural Design (6)
ARCH 3103	Professional Practice (6)

Credit point total: 28 (plus 20 elective credit points)

The BArch also requires a further 26 credit points of elective units taken over second and third year (no more than 6 credit points in second year) from a broad range of offerings in the following discipline areas:

Architectural Design;
History and Theory of Architecture; Building Technology and Economics;
Building Services and Environmental Controls;
Architectural Structures and Materials;
Management;
Design Computing;
Social Context of Design and the Built Environment;
Conservation;
Advanced Study;
Art;
Landscape Studies; and/or
Urban and Regional Planning.

For further information regarding regulations and resolutions see section 6. Regulations.

4. Undergraduate Units of Study Descriptions

Bachelor of Science (Architecture)

Area: Design

Design involves the interaction of analytic and creative processes and includes the collection of data and the establishment of criteria in response to: human needs (physical and aesthetic); environment (context and site); physical sciences and technology.

Design units emphasise the development of an awareness and understanding of people's needs and behaviour as they relate to the design of the built environment. The programs are structured around the design of appropriate environments for diverse individuals and groups. Design courses provide an understanding of the activity of design and skills and confidence in the process of design.

Structure of courses

Design units occur in a studio setting and the primary medium of instruction is the design project. The design studio promotes 'learning by doing' and offers experience in group and individual work in a wide range of creative design activities. Coursework in other subject areas provides the intellectual framework for design activity and/or knowledge that can be directly applied to design. Students are expected to integrate relevant coursework in their design projects. Design Support F provides for specific inputs to a design project which will enable students to better apply other course material to design.

Assessment is continuous with grades being given for each project and averaged at the end of the semester. In the case of failure, students must repeat the failed semester. They may proceed with the design course sequence providing adequate performance is demonstrated in other subject areas. It should be noted that the time allocated on the timetable for Design includes an allowance for 'non-credit' studio time in addition to the normal one hour of contact time per unit per week.

Mandatory Units of Study

ARCH 1007 Design A

6 credit points

Teacher/Coordinator: Ms Sodersten

When Offered: March semester

Classes: Studio and lectures

Assessment: Design exercises and portfolio

Objectives:

- to develop an attitude of creative and reflective inquiry into the nature of design and designing;
- to introduce students to the disciplines of architecture, landscape architecture, urban design and interior design;
- to introduce and explore concepts central to designing, including 'purpose', 'place', 'expression' in the built form, and the use of precedent;
- to introduce the integration of the knowledge and skills gained in the course into the activity of designing in the built environment; and
- to develop skills that allow exploration of the basic concepts and activity of designing, emphasising the design process.

Outcomes: At the successful completion of the unit the student will have:

- explored the basic concepts central to designing, including 'purpose', 'place', 'expression' in the built form, and the use of precedent, through examples of the design disciplines dealing with the built environment;
- addressed the implications of integrating the knowledge and skills gained in the course into the activity of designing in the built environment;

- examined, through reflection and creative inquiry, their own understanding of what they have learned about the basic concepts central to designing, and about the ways they went about designing; and

- demonstrated skills sufficient to allow the activity of designing, to explore concepts in design exercises, and to communicate these appropriately.

The unit outcomes are achieved through the completion of weekly reviewed exercises exploring the central concepts of designing through the various design disciplines, and a reflective exercise reviewing these 'explorations' at the end of the course. Assessment is through a portfolio of these weekly exercises and the final review exercise, submitted at an interview at the completion of the course, which is examined using the course outcomes as the basis of the assessment criteria.

Design A consists of weekly studio-based exercises of increasing complexity, and supportive lectures, through which the basic concepts central to designing and the various design disciplines relating to the built environment are introduced, in a range of settings, scales and user numbers. Site visits are included in more complex exercises. The studio exercises integrate aspects of the knowledge and skills of all the first year subject areas at an introductory level, particularly communication skills.

Practical Work:

Design studio classes and site visits

ARCH 1008 Design B

6 credit points

Teacher/Coordinator: Ms Sodersten

When Offered: July semester

Classes: Studio and lectures

Assessment: Design projects and portfolio

Objectives:

- to further the development of creative and reflective inquiry into the nature of design and designing;
- to introduce and develop the notions of the 'design concept', 'design idea' and 'design intention' in the activity of designing;
- to develop and extend the understanding and use of the concepts central to design and designing, particularly 'purpose', 'place', 'expression', and the use of precedent, introduced in Design A; and
- to develop the ability to apply the knowledge and skills gained in the subject areas of the first year program in the activity of designing in the built environment.

Outcomes: At the successful completion of the course the student will have:

- explored the generation and use of the 'design concept', 'design idea' and 'design intention' in the activity of designing;
- extended the concepts central to designing including 'purpose', 'place' and 'expression' to include social, environmental and constructional aspects developed as knowledge and skills in the subject areas of the first year program, and to use these as factors in making judgements about building design;

- developed and explored the design process sufficient to design a small building; and
- demonstrated appropriate communication skills to develop and convey the design process and proposal for a small project.

The course outcomes are achieved through the completion of small design projects for which a clear design concept, idea or intention is developed, and which follows the stages of a design process based on the concepts central to designing, and incorporates in increasing complexity the aspects developed as knowledge and skills in the subject areas of the first year program. A final reflective and evaluative exercise reviews the student's understanding of their knowledge and skills as demonstrated in the projects.

Assessment is through the weekly development of the projects and their final presentation, and through reviewing a portfolio of the course work, which is examined using the course outcomes as the basis for assessment criteria.

The course develops and extends the central concepts 'place', 'purpose', 'expression' and the use of precedent in designing, through lectures and weekly studio exercises on particular design projects and site visits. Emphasis is given to the way a design concept is generated and expressed in a proposal, and to the way knowledge and skills from the subject areas of the first year program are incorporated. The unit is closely related to Design Communications B.

Practical Work:

Design studio classes and site visits

ARCH 2006 Design C

8 credit points

Teacher/Coordinator: Mr James

Prerequisite: Design A and B

When Offered: March semester

Classes: Studio and lectures

Assessment: Part 1: 50% (section A 40%, section B 60%)

Part 2: 50%

Each project submission will be assessed in relation to the objectives of the course and the specific aims of the project.

Part 1: Landscape and Building Design

Objectives: Part 1 aims to introduce issues and principles involved in siting buildings in a landscape setting, including environmental and socially responsible strategies; to design landscape and a building in response to these issues and principles; and to relate design work to knowledge provided in other units of study.

Outcomes: It is expected that students will have a sound knowledge of:

- topography of the site through physical and cultural analysis;
- ecologically and culturally sustainable strategies with respect to landscape design, including surface water treatment and building orientation;
- factors affecting the siting of buildings;
- the interpretation of client needs in building and landscape design;
- building fabric and construction in timber and masonry; and
- can demonstrate a capacity to prepare a master plan, identify a suitable project site, and design a building in a landscape which reflects this knowledge.

Assessment is based upon the degree to which the outcomes are achieved relative to a standard of comprehension and display of knowledge equivalent to a sub-professional capacity to gain useful employment in an architect's office. There are both qualitative and quantitative measures made by visiting practitioners and inherited standards imposed by experienced staff.

Part 1 is organised in two sections:

- (a) investigation of site and preparation of a brief and master plan;
- (b) the design of a building and associated landscape on the site studied.

The building type is a modest public building. Where practical, a real project is chosen so students can have contact with a client group and develop a proposal responding to the special needs of that client. Material from the courses: Climate, Landscape and the Built Environment, Landscape Design, and Elementary Structural Design and Construction inform the design. The project is integrated with Design Communications C.

Part 2: Elective Design

Objectives: Through projects offered by Faculty staff and visiting design practitioners, Design C: Part 2 introduces students to diverse design approaches and ideas with the aims of:

- providing students with the opportunity to work on a project of their choice with an emphasis on one or more of the following design disciplines: architecture, conservation, urban design, landscape design, interior or component design;
- exploring a range of design methodologies through association with a range of experienced designers over two years;
- enriching students' educational experience through integrating second and third year design studios and by encouraging exploration and experimentation; and
- providing students with the opportunity to work in various ways and in diverse settings; for example, traditional studios, intensive design programs at the University, or off campus.

Outcomes: It is expected that through these practitioner-initiated projects students will:

- gain knowledge of varying approaches to design and practice;
- further their knowledge of design principles;
- develop their own philosophies and techniques; and
- benefit from the experience of working with students from another year, and from a range of practitioners.

In this unit, study programs will vary markedly each exhibiting particular objectives of the project. The studio may have a primary emphasis on one or more of the following:

- a particular client and the involvement of that client;
- a particular site and responses to siting characteristics;
- theoretical considerations in exploration of architectural form and composition;
- the relationship of architecture to art, landscape architecture, urban design and planning;
- questions of social justice, ethics and architecture;
- heritage and conservation;
- ecologically sustainable design; and
- appropriate technologies.

Practical Work:

Design studio classes and site visits

ARCH 2007 Design D

8 credit points

Teacher/Coordinator: Mr James, Dr Hill

Prerequisite: Design A and B

When Offered: July semester

Classes: Studio and lectures

Assessment: Part 1: 70% of the Design D grade

Part 2: 30% of the Design D grade

Each project submission will be assessed in relation to the objectives of the unit and the specific aims of the project.

Part 1: Low Rise Multi Unit Buildings

Objectives: Part 1 aims to give students experience of designing two to three storey buildings for a client group with specific needs in a location where the site and surroundings have identifiable cultural value, and to:

- respond creatively to client needs and aspirations;
- develop an appropriate expressive architectural language for the project; and
- integrate construction and environmental knowledge in relation to buildings of low-rise construction in masonry and/or timber.

Outcomes: Students will gain knowledge and skills in cultural mapping techniques, post-occupancy evaluation techniques, client interview procedures, brief writing, architectural language appropriate to purpose, environmental strategies appropriate to purpose, the explicit linking of design intent to constructional and detailing expression, and interior and service design. Students will demonstrate a capacity to design housing which utilises and responds to these factors.

Assessment is based upon the degree to which the outcomes are achieved relative to a standard of comprehension and display of knowledge equivalent to a sub-professional capacity to gain useful employment in an architect's office. There are both qualitative and quantitative measures made by studio visiting practitioners and inherited standards imposed by experienced staff.

An understanding of the environmental, cultural and social context of design is central to this project. This understanding is achieved through contact with clients, post-occupancy evaluation of relevant precedents, site appreciation studies, and cultural mapping of the locality. Emphasis is given to: understanding and interpreting clients' needs and aspirations; design brief and feasibility studies; planning and ergonomic considerations; interior design; compliance with regulatory requirements; environmentally sustainable strategies suited to residential buildings; the development of an appropriate architectural language.

Part 2: Design Dynamics

Objectives: To explore the nature of students' own involvement in the design process, in contrast to previous projects which have focused primarily on understanding and interpreting the needs of clients. This project makes use of the design pedagogy for developing professional skills, and of current thinking concerning the interdependence of understanding, interpretation and practice. Key elements of the project are the development of design ideas in the context of design dialogue, and active involvement in the development of fellow students' ideas.

Outcomes: Through this project students will develop:

- skills in dialogue as both a designer and adviser/or critic;
- skills in responding to design dialogue with appropriate design decisions;
- a critical vocabulary for discussing design problems and ways of designing;
- self-reflective awareness skills of design; and
- will achieve a satisfactory design for a building.

Through the design of a small public building students will engage in a 'reflection in action' mode of learning. The work is carried out over: a four-week period in small groups. The design process is a group effort, requiring collaboration, and a central aspect of the project is recording the dynamics of the group effort, including the experience of giving and taking criticism. Students are encouraged to develop their own critical vocabulary for discussing design problems and ways of designing. Many of the issues discussed are revisited in greater depth in the course Design Theory and Method in third year.

Assessment is based on the group design and the recording of the group process.

Practical Work:

Design studio classes and site visits

ARCH 3004 Design E

8 credit points

Teacher/Coordinator: Dr Holland

Prerequisite: Design C and D

When Offered: March semester

Classes: Studio and lectures

Assessment: Part 1: 50% of Design E grade and must be passed

Part 2: 50% of Design E grade

Each project submission will be assessed in relation to the objectives of the unit and the specific aims of the project.

Part 1: Mixed Use Three Storey Building

Objectives: To treat design, construction and the technical systems equally in order to:

- design a building which satisfies social and environmental needs;
- develop knowledge about the design principles and technologies appropriate to a three-storey mixed-use building and their integration in a comprehensive design;
- develop knowledge about designing in context and being a 'good neighbour'; and
- develop knowledge of design composition for low-rise framed buildings with special reference to space, form and elevation.

Outcomes: It is expected that students will have a sound knowledge of:

- spatial planning principles;
- how to develop an appropriate architectural language;
- the processes of designing a building to fit a specific physical context;
- how to choose materials considering ecological, economic and aesthetic factors;
- regulatory requirements;
- appropriate structural systems and services, including awareness of ecological and life-cycle considerations; and
- can demonstrate a capacity to design such a building to meet a client's needs, and reflect the above knowledge.

Designs will be assessed as to how well the solutions of the project use each of the knowledge outcomes to achieve each of the objectives.

Part 1 integrates material from the units of study Construction B, Structural Systems Design, and Environmental Science and Technology B, and promotes a holistic approach to the design of a smaller urban commercial building.

Part 2: Elective Design (see also Design C)

Objectives: Through projects offered by Faculty staff and visiting design practitioners Design E: Part 2 (and Design C: Part 2) introduce students to diverse design approaches and ideas, with the aims of:

- providing students with the opportunity to work on a project of their choice with an emphasis on one or more of the following design disciplines: architecture, conservation, urban design, landscape design, interior or component design;
- exploring a range of design methodologies through association with a range of experienced designers over two years;
- enriching students' educational experience through integrating second and third year design studios and encouraging exploration and experimentation; and
- providing students with the opportunity to work in different ways and in diverse settings; for example, in traditional studios, intensive design programs at the University, or off campus.

Outcomes: It is expected that through these practitioner-initiated projects students will:

- gain knowledge of varying approaches to design and practice;
- further their knowledge of design principles;

- develop their own philosophies and techniques; and
- benefit from the experience of working with students from another year and from a range of practitioners.

In this unit, study programs will vary markedly each exhibiting particular objectives of the project. The studio may emphasise one or more of the following:

- a particular client and the involvement of that client;
- theoretical considerations in exploration of architectural form and composition;
- a particular site and responses to siting characteristics;
- the relationship of architecture to art, landscape architecture, urban design and planning;
- questions of social justice, ethics and architecture;
- heritage and conservation;
- ecologically sustainable design;
- appropriate technologies.

Practical Work:

Design studio classes and site visits

ARCH 3005 Design F

8 credit points

Teacher/Coordinator: Assoc Prof Rubbo

Prerequisite: Design C and D

When Offered: July semester

Classes: Studio and lectures

Assessment: Part 1: a group project involving urban design research and design proposals (30%)

Part 2: building design and development (70%)

Work will be assessed in relation to the objectives of the unit and the specific aims of the project. Part 2 must be passed.

Objectives:

- to develop knowledge about, and basic skills in, the field of urban design;
- to integrate and apply previously acquired knowledge and skills in architectural design;
- to satisfy social, cultural and environmental aspects of a brief, and to demonstrate an ability to confidently propose, develop and communicate a design concept for a building of moderate size and complexity; and
- to integrate requirements of structure, construction and servicing.

Outcomes: Assessment requirements for Part 1 will ensure a capacity to undertake and communicate relevant urban design research, to apply key urban design concepts and place specific understanding to a project site, and adequately communicate urban design ideas.

Requirements for the design project assessment in Part 2 will ensure an appropriate level of architectural communication skills, architectural judgement, and knowledge of basic and structural design, service and environmental principles.

This unit has two interconnected parts. Part 1 is an urban design project with emphasis on designing for people in an urban setting. Through group and individual work, three activities are carried out: social and physical analysis; identification of design opportunities and constraints; and design propositions grounded in analysis.

Part 2 is a project in two stages (schematic design and design development) for a moderately sized public building in the area of the urban design study.

Practical Work:

Design studio classes and site visits

ARCH 3007 Design Support F

3 credit points

Teacher/Coordinator: Assoc Prof Rubbo, Prof Maher, Mr Murty

Corequisite: Design F

When Offered: July semester

Classes: lectures, computer lab tutorials and site visits

Assessment: Graduation portfolio based on overall graphic quality, range of work, resume and design statement (70%) and CAD submissions (30%)

Objectives:

- To enhance outcomes in Design F through project-specific inputs;
- to improve employment opportunities through instruction in preparation of a graduation portfolio;
- to encourage imaginative, effective and confident self-representation; and
- to provide instruction in the use of 2D and 3D CAD for presentation and modelling a design project.

Outcomes: Assessment requirements will ensure that portfolios show a level of achievement and development adequate for seeking employment at a beginning level in an office. Emphasis is given to an integrated graphic approach in the portfolio, demonstrable 2D and 3D CAD skills, and the resume.

Design Support F is divided in two parts. Half of the course is allocated to lectures, demonstrations and visits that support Design F, and the knowledge and skills required for the preparation of a graduation portfolio. Half of the course is for instruction in CAD and the development of knowledge and skills that can be represented in the portfolio and, as appropriate, in Design F.

Practical Work:

Computer lab tutorials

Elective Units of Study

ARCH 6044 Design Elective A

3 credit points

When Offered: March semester

Classes: Independent study elective

For these units students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

Area: History and Theory of Design

History

The history units of study indicate some of the past and contemporary theories of history and introduce some of the main current philosophies of history. The language of design discourse is introduced, continuities and changes in design forms are discussed, and the present relevance of earlier design processes and products shown.

Theory

The theory units of study provide a general theoretical background for the design process. They are intended to show the range and variety of design ideas and their richness of meaning. They seek to develop a questioning attitude through informed and critical appraisal and investigate concepts of relevance, meaning and value, and evaluation, as they pertain to design.

Method

The units of study in method introduce some of the main methodological approaches to design together with their theoretical

bases and philosophical implications. They introduce basic concepts of typology and taxonomy.

Mandatory Units of Study

ARCH 1003 History of the Built Environment A

4 credit points

Teacher/Coordinator: Mr Howells

When Offered: March semester

Classes: Lectures

Assessment: Log book (50%) and essay (50%)

Objectives: This unit of study will introduce students to the historical context of the built environment comprising architecture, urban and landscape design and to the theoretical background of the history of the built environment using a thematic rather than chronological structure. It will also examine Western and non-Western histories of the built environment.

Outcomes: At the end of the unit of study the student will:

- demonstrate an understanding of the development of the built environment of Western and non-Western traditions;
- develop an awareness of the interrelationship between architecture, urban and landscape design;
- develop an appreciation of the relevance of history in contemporary design of the built environment;
- demonstrate graphic and written skills in analytical writing; and
- demonstrate an acceptable level of achievement in writing academic essays.

The intended outcomes, achieved through inquiry, individual study, and research, are demonstrated by each student upon successful completion of set assignments.

As the unit of study covers an extremely wide range of historical and theoretical knowledge in the related realms of architectural and landscape and urban design, the log book assignments have been designed so that a student can successfully demonstrate an understanding of Western and non-Western traditions of the built environment, including the inter-relationships between its components, by means of critical interpretations of set readings, lecture material and accessible elements of the immediate built environment by means of the application of appropriate graphic and written communication skills.

The essay assignment is intended to allow the student to successfully demonstrate an understanding of some aspects of the development of Western and non-Western traditions of the built environment and their relevance to the history of contemporary design by means of critical and analytical writing within the accepted standards of academic essay writing. Assessment criteria based on the course outcomes are used for the examination of the work.

The unit of study introduces students to the broad development of Western and non-Western traditions of the built environment and their theoretical backgrounds with the principal focus being On architecture, urban design and landscape architecture. Rather than being a traditional, chronologically-based course, it is thematically structured.

Areas covered include:

twentieth-century landscapes, conservation, development of structure, language of non-Western architecture, language of Western architecture, historicism, decoration, adapted traditions, architecture and contemporary thought, and housing and society, which are used as the basis to explore particular aspects of the built environment.

This unit is taught by illustrated lectures with class discussion, films, video, models and music, and, additionally for Arts and Fine Arts students only, by weekly seminars.

ARCH 1004 History of the Built Environment B

4 credit points

Teacher/Coordinator: Mr Howells

When Offered: July semester

Classes: Lectures

Assessment: Log book (50%) and thematic model (50%)

Objectives: The unit of study will introduce students to the historical context of the built environment comprising architecture, urban design and landscape design, and to the theoretical background of the history of the built environment using a thematic rather than chronological structure. Western and non-Western histories of the built environment will be examined.

Outcomes: At the end of the unit of study the student will:

- demonstrate an understanding of the development of the built environment of Western and non-Western traditions;
- develop an awareness of the interrelationship between architecture, urban design and landscape design;
- develop an appreciation of the relevance of history in contemporary design of the built environment;
- demonstrate graphic and written skills in analytical writing; and
- demonstrate communication skills through the medium of an interpretive model.

The intended outcomes, achieved through inquiry, individual study and research, are demonstrated by each student by the successful completion of set assignments. As the unit of study covers an extremely wide range of historical and theoretical knowledge in the related realms of architectural, landscape and urban design, the log book assignments have been designed so that a student can successfully demonstrate an understanding of Western and non-Western traditions of the built environment, including the interrelationships between its components, by means of critical interpretations of set readings, lecture material and accessible elements of the immediate built environment by means of the application of appropriate graphic and written communication skills. The model assignment is intended to allow the student successfully demonstrate an understanding of some chosen aspects of the development of Western and non-Western traditions of the built environment, based on the thematic structure of the course lecture program, and their relevance to the history of contemporary design by means of critical and analytical interpretation by means of an abstract model. Assessment criteria based on the course outcomes are used for the examination of the work.

The unit of study introduces students to the broad development of Western and non-Western traditions of the built environment and their theoretical backgrounds with the principal focus being on architecture, urban design and landscape architecture. Rather than being a traditional, chronologically-based the course, it is thematically structured. Unit themes include: role of decoration, expression of geometry, manipulation of light, role of the plan, use of illusion, colonialism, development of technology, ideological movements, which are used as the basis to explore particular aspects of the built environment.

The unit of study is taught by illustrated lectures with class discussion, films, video, models and music, and, additionally for Arts and Fine Arts students only, by weekly seminars.

DESC 1003 Mathematics and Science in Design

3 credit points

Teacher/Coordinator: Dr Hayman

Assumed Knowledge: HSC 2 unit Mathematics

When Offered: July semester

Classes: Lectures and tutorials

Assessment: Four assignments

Objectives: This unit of study aims to demonstrate relationships between the rational tradition of mathematics and science in Western thought and design theory and practice, examine prerequisite knowledge and skills for later mandatory and elective units and design practice, and encourage the use of mathematics as a modelling tool.

Outcomes: Each student should have facility with the following:

- familiarity with mathematical aspects of design theory;
- analysing and documenting problems systematically;
- justifying arguments rationally;
- utilising mathematical models in problem solving; and
- demonstrating these skills in a range of areas related to further study.

Each assignment uses a different context area, e.g. construction, and modelling technique, e.g. statistics, to explore particular knowledge and skills. Assessment of assignments will stress the generic skills of problem analysis, justification and documentation.

The design of the built environment has been strongly connected to developments in ideas and technology. Architecture, as a result, is a quantitative as well as qualitative discipline and requires an understanding of mathematics. This is, therefore, an introductory course in mathematics as it relates to design theory and practice. The major topics covered are mathematical model making, plane and three-dimensional geometry, proportional systems, analytical and transformational geometry and statistics.

Practical Work:

Tutorials

ARCH 3006 History of the Australian Built Environment

4 credit points

Teacher/Coordinator: Mr Howells

When Offered: March semester

Classes: Lectures and site visits

Assessment: Essay (50%) and measured drawing assignment (50%)

Objectives:

- To examine the development of the Australian built environment, comprising architecture, urban design and landscape design from the era of European settlement to the present time, notably as the outcome of broad cultural, socio-economic and political climates through history;
- to develop knowledge of design relevant contemporary theory and practice in Australia;
- to create an awareness of the circumstances and conditions for living and therefore designing in Australia; and
- to develop an understanding of the significance and implications of Aboriginal and European heritage, and the influences of geographical factors on environmental design.

Outcomes: At the end of the unit of study students will:

- be familiar with literature, buildings and places necessary for a basic understanding of the development of the Australian built environment;
- develop an understanding of the cultural concepts and beliefs, and geographical and climatic circumstances that led to the development of the existing Australian built environment;
- develop graphic skills in the preparation of measured drawings, and written skills in analytical writing; and
- develop an appreciation of the relevance of history in the contemporary design of the Australian built environment.

The intended outcomes, achieved through inquiry, individual study and research, are demonstrated by each student by the successful completion of set assignments. The essay assignment assesses the understanding of the development of the Australian built environment with particular emphasis on the issues of geographical, climatic and

cultural factors, and an ability to apply this knowledge in critically understanding contemporary design of the Australian built environment, using written skills. The measured drawing assignment assesses the student's skill in understanding the conventions of and demonstrating graphic skills in the preparation of measured drawings. Assessment criteria based on the course outcomes are used for the examination of the work.

The unit introduces students to the development of architecture, urban design and landscape design in Australia from the time of the establishment of European settlement until the present. The course has been structured thematically to explore such issues as the influence of British and Aboriginal building methods, the regional use of materials, the adaptation of fashionable ideas from abroad, response to geographic and climatic conditions, relationship of plan, form, texture and colour, vernacular forms of design, evolution of the Australian house, structural innovation, design in the public realm, urban development and Australian decorative arts. The unit is taught by illustrated lectures and site visits.

Practical Work:

Site Visits

ARCH 3002 Design Theory and Method

3 credit points

Teacher/Coordinator: Dr Hill

Prerequisite: Design A, B, C and D

When Offered: July semester

Classes: Lectures and tutorials

Assessment: Class tests (20%), tutorial involvement (20%) and essay (60%)

Objectives: The aims of the unit of study are to:

- give students an understanding of what they are doing when they design, and how design activity proceeds;
- survey critically some of the more important theories concerning the nature of the design process, and relate these to design programs running concurrently with the unit;
- clarify notions of design aims, procedures and outcomes, relating them to specific design programs;
- introduce students to contemporary thought in a range of disciplines as it relates to design activity; and
- locate design activity within a network of societal and historical interactions.

Outcomes: It is expected that at the completion of the unit students will have achieved the following competencies: (1) a clearer understanding of what happens in the design process, (2) a knowledge of the various theories that have been advanced to explain and formalise the design process, and (3) an ability to view design activities in the context of contemporary thinking in a range of disciplines.

Weekly tests assess the overall understanding of readings concerning the nature of the design process, the theories explaining the design process, and the relation of contemporary thinking to design. The mark given for involvement in tutorials refines this assessment. The assessment of the student's understanding of more detailed aspects of the expected outcomes of the course is based on the essay.

The unit provides an introduction to the broad issues of contemporary thought, especially theories of knowledge and understanding as they relate to design activity. It examines the theoretical bases of knowledge, historiography, science, art and design methods; introduces concepts of meaning, aesthetics and value; looks at design theory, analyses the concept of design, models of design and the teaching of design; and examines design methods and process, with emphasis on design aims, design media and languages of design.

Elective Units of Study

ARCH 6031 Independent Study Electives - History and Theory Elective A

3 credit points

When Offered: March semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

ARCH 6051 History of Eastern Architecture

3 credit points

Teacher/Coordinator: To be determined

Prerequisite: History of the Built Environment A and B

When Offered: Check with department

Classes: Lectures

Assessment: Design, with explanatory text

Objectives: To introduce students to concepts of cultural interpretation and understanding by juxtaposing the principles underlying and determining the architectural forms of a number of Asian cultures with those which operate in the production of present-day Western architecture. This is done not only to introduce the student to unfamiliar forms of architecture, but also to use the unfamiliar as a means of bringing into focus and reassessing contemporary preconceptions concerning the nature and function of architecture. In this way the course aims to analyse the relevance of unfamiliar architectural concepts to contemporary practice.

Outcomes: It is expected that at the end of the unit students will have an introductory knowledge of the principles operating in the architectures of a number of Eastern cultures; that they will be familiar with the manner in which these architectures relate to other aspects of culture; and that they will have an introductory familiarity with some aspects of the dynamics of cultural interpretation and understanding.

The assessment will be based on a model and/or drawings of a design for a building in an Australian setting. The building will translate the principles underlying one Asian architecture into forms having an Australian relevance. The design will be accompanied by a short text explaining the principles involved and the manner in which they have been translated. Assessment will be based on the degree to which the design successfully translates principles from one cultural setting to the other.

Lectures will examine the traditional architectures of India, Cambodia, Indonesia, China, Japan and Islam, showing how the architectural forms relate to and embody mythical, religious and cultural concepts, and indicating the principles determining the distinguishing characteristics of the architecture.

ARCH 6049 History of Urban Design pre 1800

3 credit points

Teacher/Coordinator: To be determined

Prerequisite: History of the Built Environment A and B

When Offered: Check with department

Classes: Lectures

Assessment: Three short assignments (10% each), one group assignment (30%) and one main assignment (40%)

Objectives: The unit aims to provide an introduction to the most significant urban forms throughout history as reference sources for future work of students, to encourage familiarity with the basic reference material related to each historical period, and to discuss the relevance of historical precedents for our own time and our own work.

Outcomes: At the conclusion of the unit students will be familiar with

a typical range of important historic places and cities, understand their genesis, and be able to use this material creatively in their future work.

Students will be required to demonstrate this familiarity and understanding through their course assignments.

The unit is concerned with the evolution of ideas and principles of urban design and with the relationship between society and the formal organisation of the urban environment. It explores these ideas and principles through analysing the development of urban places and spaces from early civilisations to the end of the 18th century. The main emphasis is upon Western civilisations, with some references to other cultures.

With usually relatively large groups a lecture/slide/discussion format is followed together with introduction of video material and study of maps of historic cities.

ARCH 6050 History of Urban Design post 1800

3 credit points

Teacher/Coordinator: To be determined

Prerequisite: History of the Built Environment A and B

When Offered: Check with department

Classes: Lectures

Assessment: Three assignments (25% each)

Objectives: The unit aims to provide an introduction to the most significant urban forms throughout the 19th and 20th centuries as reference sources for future work of students, to encourage familiarity with the basic reference material related to each historical period, and to discuss the relevance of historical precedents for our own time and our own work.

Outcomes: At the conclusion of the unit students will be familiar with a typical range of important historic places and cities, understand their genesis, and be able to use this material creatively in their future work.

Students will be required to demonstrate this familiarity and understanding through their course assignments.

The unit is concerned with the evolution of ideas and principles of urban design and with the relationship between society and the formal organisation of the urban environment. It explores these ideas and principles through analysing the development of urban places and spaces during the 19th and 20th centuries. The main emphasis is upon Western civilisations, with some references to other cultures.

ARCH 6030 Renaissance to Baroque Architecture in Italy

3 credit points

Teacher/Coordinator: Mr Korzeniewski

When Offered: Check with department

Classes: Lectures and tutorials

Assessment: Study of a well-documented work from this period by means of sketches, drawings and models

Objectives: The unit will introduce students to the works and ideas of this important tradition in architectural history and provide an opportunity to study one of them in detail.

Outcomes: Following from above, an increased ability to understand architectural ideas and their resolution in the made work, and increased skill in sketching, drawing and model-making.

This is achieved through the assessment on the basis of the quality of thought and work done as well as notebooks with sketches done during lectures.

This unit is concerned with architectural approaches to the making of buildings, civic spaces and gardens in this important period of architectural achievement. The works of some of the great architects of the 14th to 18th centuries: Brunelleschi, Alberti, Michelangelo, Palladio, Borromini, Bernini and Guarini, are examined in some detail. Reference is made to Greek, Roman and medieval precedents and the

urban Italian tradition, which was the setting in which the Renaissance flourished.

ARCH 6057 Theatre Design and History

3 credit points

Teacher/Coordinator: Assoc Prof Thorne

When Offered: Check with department

Classes: Lectures, seminars and site visits

Assessment: Seminar paper (25%), end of semester essay (50%) and a descriptive analysis of attending a required performance (25%)

Objectives: The unit will teach the student about the place of theatre (including cinema) in society, how this developed and changed and how the design of the buildings or venues have reflected the changes over time in Western society, in particular; and what the total experience of attending a theatre involves.

Outcomes: Students will know the general attributes of the viewer/viewed system inherent in passively viewed performances (live and cinematic), how they have been treated historically, and how they apply today. They will also know how the experience of attending a performance goes beyond simply sitting in an auditorium and watching it — what comprises a 'sense of occasion' in the theatre.

The seminar paper requires each student to research a different topic and present it verbally and in written form, based on the first outcome, with each student learning from each other's efforts. The descriptive analysis will be of a required attendance at a theatre performance at the time and should produce the second outcome. The end of semester essay will be an overview to cover both outcome statements.

The unit will cover theatre forms from Greek and Roman to the eclectic use of viewer-viewed formats of today. The rise of cinema out of a vaudeville-variety tradition will be traced together with evidence to show that cinema buildings from the 1920s to 1950s are possibly the most socially significant buildings of their time. Attendance at least at one theatre performance will be required. (This will be according to a list providing some choice relevant to when the course is conducted.

Practical Work:

Site Visits

ARCH 6055 Special Topics in Architectural History and Theory A

3 credit points

When Offered: Check with department

For current offerings, refer to the department.

Area: Materials, Structure and Construction

This area covers structural and construction principles employed in the built environment. It provides knowledge and skills sufficient to detail the design of a small-scale building, and to understand construction and structural systems for larger buildings.

Mandatory Units of Study

ARCH 1002 Materials and Form in Building

3 credit points

Teacher/Coordinator: Ms Sodersten

When Offered: March semester

Classes: Lectures and studio tutorials

Assessment: Assignments

Objectives: The unit aims to introduce the primary construction systems of the elements of small-scale buildings, and the construction of a building as an aspect of 'expression' in architectural language. It will

develop skills in applying the knowledge of basic construction systems to simple building designs.

Outcomes: At the successful completion of the unit, the student will have demonstrated:

- the ability to identify the construction systems of typical simple small-scale buildings;
- a broad knowledge of the components of those systems;
- a basic knowledge of the common materials of those systems;
- an ability to apply the knowledge of the primary construction systems to the design of a small-scale building as an aspect of the architectural language of 'expression';
- a basic understanding of the principles and elements of the construction system of a small framed building; and
- appropriate communication skills.

The outcomes of the unit are achieved through inquiry and by means of assignment tasks. As the course surveys the knowledge in the field and then requires its application in particular cases, the assignment tasks fall into two sections, reflecting this structure, assessing firstly the comprehensiveness of such a survey and the indication of an understanding of the basic types of system. The second section assesses understanding of the systems and an ability to apply this knowledge in designing, and requires the evaluation, development and testing of the design and proposed construction of a small building. Assessment criteria based on the course outcomes are used for examination of the work.

The unit uses a combination of weekly lectures and studio tutorials, together with site visits, to introduce the primary construction systems of small-scale building, and to develop an ability to apply this knowledge to the design of small-scale buildings. The emphasis of the first lecture-based part of the course is on broad knowledge of the systems, while the second studio-based part emphasises the understanding and use of these systems in particular designs.

Practical Work:

Studio Classes

DESC 1004 Building Principles

4 credit points

Teacher/Coordinator: Honorary Assoc Prof Smith

When Offered: July semester

Classes: Lectures, studio tutorials and laboratory classes and computer laboratory tutorials.

Assessment: Examination (40%), tutorial assignments (30%), site visit report (10%), laboratories (20%)

Objectives: The unit aims to introduce the concepts of structural sufficiency, building structural systems, and the structural use of materials to a level sufficient to cope with simple design problems at the commencement of second year, and to form the basis for subsequent courses of study in this area.

Outcomes: At the completion of this unit the student will have demonstrated:

- an understanding of the physical properties of materials, and know how to use those properties relevant to structural performance;
- the ability to perform simple experiments for determining material properties;
- an understanding of axial loads and stresses, trusses, beams and bending;
- an ability to analyse simple trusses and simply supported beams, to determine bending and shear stresses, and to determine deflections for simple cases;
- the ability to use a simple computer package for analysing plane structures.

The unit first introduces the ideas of structural sufficiency for the building as a whole and each of its parts, followed by a brief study of the structural properties of materials and materials testing.

The unit then introduces loads and forces, and studies the equilibrium of elements and free bodies, including moments and the resolution of forces, and the graphical representations of internal actions in shear force and bending moment diagrams.

The requirement of structural performance in linear structural systems is introduced through the properties of cross-sections of members, and the selection of sections in relation to the properties of the material.

The unit provides the knowledge to select structural assemblies of linear elements, and to select sizes for these elements, for simple configurations and loading conditions.

Practical Work:

Laboratory classes, site visits

ARCH 2004 Construction A

4 credit points

Teacher/Coordinator: To be determined

Prerequisite: Building Principles and Materials and Form in Building

When Offered: Year-long

Classes: Lectures, seminars and studio tutorials

Assessment: March semester: assignment (40%), seminar (10%),

July semester: assignment (50%)

Objectives:

- To examine the construction of the primary elements of the fabric of small-scale buildings, using principally timber and masonry materials;
- to introduce the principles of the performance of structure, materials and construction in relation to stability, soundness, waterproofing, maintenance and basic insulation of the fabric of small-scale buildings;
- to introduce the application of the requirements of the relevant statutory Australian Standards to the construction of small-scale buildings in timber and masonry, and to drawing practice;
- to introduce the notion that specific appropriate design intentions can be expressed in the details, the elements, the structure, construction and materials of the building fabric; and
- to develop skills in freehand and accurately drafted drawing, principally annotated details drawn to scale, to design and to communicate the materials and construction of components and junctions.

Outcomes: At the end of the unit, the student will:

- (i) be familiar with the process of researching construction systems and details of junctions and components, including the relevant SAA codes;
- (ii) have demonstrated skills in research, in investigation, observation, deduction and analysis, sufficient to have compiled accurate information on current accepted and required construction practice in relation to materials, structural systems and typical standard detailing of the typical primary components and junctions of the major elements of small-scale buildings, primarily in timber and masonry;
- (iii) have demonstrated a knowledge of the basic principles of performance of the fabric of a small-scale timber and masonry building, through analysis and application to an individually designed and detailed building;
- (iv) have demonstrated the ability in their work to make an explicit link between design intentions and their realisation in the structure, materials and construction of a small-scale building, primarily of timber and masonry; and
- (v) have demonstrated the ability to draw clearly to scale, using the appropriate conventions, to communicate structural systems and construction, and to draft and annotate accurately large-scale details having regard to the conventions of the AS drafting code.

The structure of the semester one assignment and seminar is designed to achieve outcomes (i), (ii), (iii), and (v). The semester two assignment is designed to achieve outcomes (iv) and (v).

The unit examines three major 'zones' of typical small-scale buildings: footing/floor/wall; roof/ceiling/wall; timber and aluminium windows and doors/wall/floor/ceiling. It includes: materials and their characteristics including the concepts of environmental sustainability; structural systems, introductory sizing, constructional and structural compliance with relevant selected SAA codes; waterproofing and flashing; insulation; typical standard details and junctions of materials and components within and between elements. It relates these zones through integration with a design project.

Practical Work:

Studio classes

ARCH 3003 Construction B

5 credit points

Teacher/Coordinator: To be determined

Prerequisite: Structure and Form and Construction A

When Offered: March semester

Classes: Lectures and seminars

Assessment: Two assignments based on Design E Project 1, involving the design and detailing of a medium-sized building. The first assignment shows how the building meets the Building Code of Australia, the construction methods and how they meet design intent (40%). The second assignment consists of case studies of existing details related to the design, details and working drawings of the design (60%).

Prerequisite units for the BArch

Objectives: The following aims are pursued within the context of a medium-sized building:

- to examine the construction of the primary elements of the fabric of buildings using principally steel and concrete;
- to develop the principles of the performance of structure, materials and construction in relation to stability, soundness, waterproofing, maintenance and basic insulation of the fabric;
- to introduce the application of the requirements of the Building Code of Australia and relevant statutory Australian standards to the construction of buildings in concrete and steel;
- to develop skills in freehand and accurately drafted drawings, to the standard of a set of working drawings;
- to examine the historical development of masonry, steel and concrete as construction materials; and
- to develop the design principles of standard construction materials in relation to structural and environmental concerns.

Outcomes: Students will have:

- a working knowledge of construction methods for medium-sized buildings;
- knowledge of construction detailing as a design activity and methods of conceptualising construction methods during design;
- a working knowledge of the Building Code of Australia and its application in medium-sized building design;
- an introductory knowledge of historical developments of construction;
- an introductory knowledge of the characteristics and design principles of advanced construction materials;
- an introductory knowledge of the relationships between construction detailing and structural and environmental concerns; and
- a working knowledge of the production of working drawings.

Each assignment is structured to exercise, within the context of a medium-sized building design; the learning, development, and ability of each student.

The unit addresses construction and structural systems knowledge for medium-sized buildings on the basis of 'knowing about' rather than 'knowing how', and is primarily concerned with the design process and procedures for construction detailing. A performance-based approach is related to a repertoire of materials and systems, and issues of constructability and resource management are introduced. The unit knowledge is contained in four themes, namely: strategic planning for building construction design; the role of building codes and their influence on building design and construction; an historical survey of building processes; construction detailing for medium-sized buildings.

DESC 2002 Structure and Form

3 credit points

Teacher/Coordinator: Dr Gunaratnam

Prerequisite: Materials and Form in Building and Building Principles

When Offered: July semester

Classes: Lectures, tutorials and laboratory classes

Assessment: Written examination (35%), model assignment (20%), structural synthesis assignment (15%), tutorials (15%) and quizzes (15%)

Objectives:

- To introduce students to a variety of structural elements — types, structural actions and approximate behavioural models — available for assembling structural systems and subsystems for buildings;
- to explore (i) the different ways structural elements can be assembled to form different structural assemblies and subsystems used in buildings and (ii) the influence of the level continuity between elements on the behaviour of the structural assemblies and subsystems;
- to introduce students to behavioural models, mainly qualitative, available for understanding and predicting the behaviour of the different structural assemblies;
- to explore the concept of structural efficiency and the factors that contribute to it — in particular the relationship between structural form, structural action and structural efficiency; and
- to provide students with experience in the synthesis of structures using the computer, and in the construction and testing of physical structural models.

Outcomes: At the completion of the unit each student is expected to:

- be cognisant of the different structural elements and systems available for buildings;
- have a good understanding of how the basic structural elements and structural types behave under loads;
- be able to make qualitative and limited quantitative predictions about the behaviour of structural elements and some simple structural assemblies;
- have an appreciation of the relationship between structural efficiency, structural form and structural actions;
- be familiar with some of the structural design issues that influence structural decisions in buildings; and
- be able to synthesise simple building structural systems using computational aids.

The above unit outcomes provide the basis for the different assessment tasks.

The unit further examines the relationship between the loading on building structures, their forms and their constituent materials and assemblies. It extends the repertoire introduced in the course Building Principles and aims to convey an essentially complete understanding of structural form in architecture. Topics include: continuity in structures; funicular form; tension systems; compression systems; plane surface structures; curved surface structures; and structures in history including the ideas of line and curve, frame and envelope as structure.

Practical Work:

Model Testing

DESC 3002 Structural Systems Design

3 credit points

Teacher/Coordinator: Dr Gunaratnam

Prerequisites: Construction A and Structure and Form

When Offered: March semester

Classes: Lectures, tutorials, site visit and laboratory classes

Assessment: Assignment

Objectives:

- To introduce students to the different stages in the structural design process;
- to explore the structural decisions associated with the synthesis and preliminary design stages of the design process;
- to introduce students to strategies and information required for the synthesis of efficient structural systems;
- to introduce students to the structural design philosophies and provisions in the load and material codes of practice;
- to familiarise students with the different representations of structural design information and to explore their use in structural decision making;
- to present information on the different types of structural joints and the principles behind their design and detailing; and
- to provide students with experience in making structural decisions within the context of a building design.

Outcomes: At the completion of the unit each student is expected to:

- have a good understanding of the different stages in the structural design process;
- have a good understanding of the design philosophies on which the current codes of practice are based;
- be able to collect appropriate information and formulate the structural design requirements for a medium-scaled building;
- be able to generate a number of alternative structural systems that satisfy the design requirements and to evaluate them to arrive at a final design;
- be able to use the appropriate design aids and codes of practice to arrive at suitable approximate sections for structural elements in concrete, steel, timber and masonry; and
- be able to detail structural connections in concrete, steel and timber for the transfer of specific structural actions.

The above unit outcomes provide the basis for the different assessment tasks.

The unit provides information for making structural decisions within the context of building design. It examines the different stages in the structural design process and explores the means of integrating the different types of structural knowledge with the information available in the various codes of practice to arrive at an appropriate structural system for medium-scaled buildings. It considers the different representations of structural design knowledge available for making structural decisions and provides experience in their use.

The unit is structured around three major topics: structural design process; structural design codes; and structural design information.

Elective Units of Study

ARCH 6022 Cost Planning and Control

3 credit points

Teacher/Coordinator: Dr Holland

When Offered: Check with department

Classes: Lectures

Objectives: The unit will outline the principles and techniques of cost planning and control, including feasibility studies, methods of finance, costs in use, and the role of the architect and quantity surveyor.

Outcomes: The student will understand the influence of cost issues on building design, understand factors influencing initial cost and costs in use, and be aware of the roles of quantity surveyor and other consultants.

The assignments will emphasise the first two outcomes.

The unit outlines the principles and techniques of cost planning and control, including feasibility studies, estimating, methods of finance, costs in use, the Australian Standard Method of Measurement of Building Works, and the role of the quantity surveyor.

ARCH 6007 Object Design and Construction

3 credit points

Teacher/Coordinator: Dr Holland

Prerequisite: Workshop Technology — Timber

When Offered: March semester

Classes: Tutorials and workshops

Assessment: Assignment

Objectives: The aim of this unit is to develop design and making skills and to increase the understanding of the relationship between them. The course is also designed to increase ability to communicate intentions through drawings.

Outcomes: The student will gain an understanding of the relationship between designing and making, and develop knowledge of materials and their working.

The documentation and object made show the outcomes.

Each student designs and draws an object, and makes it. Tables, chairs, beds and light fittings have been made in previous years. Any materials can be used but the student must bear in mind their own, and the workshop's limitations.

Each student should choose a full-time member of staff to tutor the design's development and making. The workshop's technicians will also tutor the development and making and likely further design developments during making.

Practical Work:

Workshop sessions

DESC 6008 Structures Theory

3 credit points

Teacher/Coordinator: Dr Gunaratnam

Prerequisite: Structure and Form

When Offered: Check with department

Classes: Lectures, tutorials and computer laboratory sessions

Assessment: Structural modelling assignment (30%), case study (30%), and a computer-aided design (40%)

Objectives:

- To introduce students to a number of the general techniques and methods available for the analysis of structures;
- to provide students with experience in extracting approximate structural analysis models from a three-dimensional skeletal structure for a building, and to explore the effect of the levels of idealisations and abstractions on the accuracy and performance of these models;
- to introduce students to the detailed design methods recommended in the material codes of practice for the different structural elements usually occurring in buildings; and
- to provide students with experience in computer-aided design of skeletal building structures using some of the state-of-the-art structural analysis and design programs.

Outcomes: At the end of this unit each student is expected to be:

- familiar with a number of the basic structural analysis methods and techniques and be able to apply some of them to solve simple structural analysis problems;

- cognisant of the bases for the provisions in the material codes of practice for the detailed design of the more common structural elements, and be able to carry out detailed design of some of these elements using the design handbooks and computer-based design aids;

- familiar with the internal structure and implementation issues relating to some of the computer-aided structural analysis and design tools that are presently available; and

- able to (i) select appropriate idealisations of building structures and model them on a computer as 2D or 3D skeletal structures, (ii) validate and interpret the computer results using simple behavioural models, and (iii) use the computer results to arrive at a final design for the structure.

The above unit outcomes provide the basis for the different assessment tasks.

This unit extends the theoretical basis for the analysis of structural responses and the satisfying of performance criteria, and links these with practical methods and computer-based tools for the exploration of structural design. It complements the survey of building structure morphology presented in the prerequisite course Structure and Form and thus leads to a fuller understanding of the provision of adequate building structures in architecture.

The types of structural response are reviewed. Loadings and performance criteria are equated with the limit state approach to strength and serviceability. Bending theory is extended to encompass torsion and general frame behaviours. Stress and strain analysis is taken on to three-dimensional continua. Computer-based analytical tools are introduced and used interactively in a project for the exploration and design of a building structure.

Practical Work:

Model testing, computer laboratory

ARCH 6009 The Building Industry in Australia

3 credit points

Teacher/Coordinator: Dr Holland

When Offered: Check with department

Classes: Lectures, seminars and site visits

Objectives:

The unit will increase the understanding of the organisation, structure and operations of the building industry, including building materials' manufacturing, and will explore the present and future role of architects in it.

Outcomes: The student will gain an understanding of the interrelationships between the factors that influence the industry, be exposed to some organisations in the industry and increase their understanding of the role and influence of architects.

The seminars will demonstrate the student's understanding of lecture material and other sources, and the assignment their ability to write about it.

The unit presents an overview of the building industry including its role in the national economy, the nature of organisations and processes that produce buildings, the role of various organisations within the industry, e.g. manufacturers, builders, unions. The present and future role of architects is described. Students present seminars at some of the organisations studied.

Practical Work:

Site visits

ARCH 6036 Workshop Technology — Timber

3 credit points

Teacher/Coordinator: Mr Neirotti

When Offered: July semester

Classes: Workshop maximum number of students is 14

Assessment: One assignment

Objectives: The objectives are to develop an understanding of the working, jointing and finishing of timber, to develop an understanding of the use and behaviour of hand and power tools, and to learn safe workshop practices.

Outcomes: The student will understand the working of timber and learn tool use and safe workshop practices.

The object made will be assessed for quality of workmanship including accuracy of cutting, jointing and gluing. Assessment of the student's performance in the workshop will include skill development, care of tools, and understanding and use of safe practices.

The working, jointing and finishing of timber, the use and behaviour of hand and power tools, and safe workshop practices are demonstrated and done. A small object such as a box is made.

Practical Work:

Workshop classes

**ARCH 6025 Materials, Structure and Construction
Elective A**

3 credit points

When Offered: July semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

**Area: Social Context of Design and
the Built Environment**

This area draws on a number of disciplines and includes the study of: environment-behaviour relations; environmental perception and cognition; socio-spatial related behaviour; means of articulating environmental needs including consultation and participation; the socio-economic, political, legislative and (cross-) cultural considerations influencing the form of habitats with an emphasis on Australian cities; and the interface between the design professions and society, including the ethics and responsibilities of the design professional.

Mandatory Units of Study

DESC 1001 People and the Environment

4 credit points

Teacher/Coordinator: Assoc Prof Purcell

When Offered: March semester-

Classes: Lectures

Assessment: Three assignments (equally weighted)

Objectives: The objectives of this unit are to:

- give participants an overview of the complex relationship between people and everyday and designed environments;
- present knowledge relating to the design of objects and their settings from a modern ergonomic viewpoint and to establish the relevance of this approach for design;
- examine the impact of the basic processes relating to sensory thresholds and adaptation on design;
- review the properties of central and peripheral vision and relate these to the experience of detail and colour, on one hand, and the experience of the large-scale visual world and its properties on the other;
- review the characteristics of and the basis for our experience of surfaces and the role surfaces and lighting play in design;
- review material related to our experience of objects and groups of objects and to relate this to design of objects at all scales; and

- review knowledge relating to our experience of a three-dimensional world and the connection between the experience of depth and size and how this relates to the issue of scale in design.

Outcomes: Participants will have a knowledge of the concepts and principles involved in each of the above areas and how they can be related to specific examples of every day and designed environments. They will have used this knowledge to analyse and evaluate examples of environments and have gained an understanding of how these basic processes underpin more complex aspects of experience such as symbolic meaning and similarities and differences between cultures.

Assessment is based on three assignments. Each requires that participants apply knowledge from one or more of the areas outlined above to analyse and evaluate an example of a designed environment of their choosing.

The results of the architectural design process become, when built, the spaces and places that we experience and use and where we interact with others. An understanding of the complex sets of relationships between people and buildings can, as a result, both inform the design process and form the basis for an evaluation of a design proposal or an existing building.

ARCH 2001 Habitat and Society A

3 credit points

Teacher/Coordinator: Dr Lamb

Prerequisite: People and the Environment

When Offered: March semester

Classes: Lectures and discussions

Assessment: Major essay assignment integrated with Design C (40%), short answer test (30%) and final assignment (30%)

Objectives: The aims of the unit are to develop a critical understanding of the ecological context of architecture, relate the objectives of ecologically sustainable design to design learning, develop skill in the assessment of ecologically appropriate building methods and materials, and relate ecological sustainability to urban planning at an introductory level.

Outcomes: Students will develop skill in the ability to critically examine their own designs, evaluating the relative merits of building designs, systems and materials from an ecologically sustainable design perspective, and researching the environmental impacts of design at levels from site planning to sketch design.

Students are assessed on their ability to demonstrate skill in reflection on their own design thinking. Assignments evaluate the ability of students to critically evaluate options in design and planning from an ecologically sustainable viewpoint. Tests evaluate students' ability to relate knowledge about the environmental impacts of architecture to design activity.

The unit will consider the following: the ecological context of design and case studies on the environmental impacts of buildings; the operation of ecosystems with natural and human attributes — the ecological impacts of building materials and systems; good design practice, including the protection and enhancement of biodiversity, choice of friendly materials and systems, use of ecological environmental controls, trade-off as a method of choice; and a critique of urban consolidation and Ecologically Sustainable Development — introduction to the planning framework and its role in environmental control — the role of architects in sustainability.

ARCH 2002 Habitat and Society B

3 credit points

Teacher/Coordinator: Assoc Prof Rubbo

Prerequisite: People and the Environment

When Offered: July semester

Classes: Lectures and discussion

Assessment: In-class test (10%), 2 assignments (30%, 60%)

Objectives:

- To increase awareness of the relationship between habitat (place) and society (people);
- to enhance awareness and skills in involving people in the design process; and
- to explore issues of social responsibility in relation to the design process and the making of architecture.

Outcomes: Assessment requirements will ensure a familiarity with the literature in the field and an understanding of key concepts, an ability to apply knowledge, and skills in participatory design processes.

Using a cross-cultural approach two main themes are covered. Theme A covers theory and practice in participatory processes, and the development of skills. Theme B illustrates the ways in which social and cultural ideas help shape the built environment. Through example, belief, systems, power, politics, gender, class, ethnicity and life-cycle issues are considered in relation to selecting building types and environments in the developed and developing world.

ARCH 3001 The Design Professions

4 credit points

Teacher/Coordinator: To be determined

When Offered: July semester

Classes: Lectures and seminars

Assessment: Assignments

Objectives: The unit provides an introduction to the contexts of professional practices in the design professions, in particular architecture, and includes: the range and diversity of professional roles; management and organisational structures; legal aspects of professional practice; the social, ethical and environmental responsibilities of design professionals; and conflicts between the theory and practice of designing.

Outcomes: At the end of the unit students will have knowledge of the nature of design practices and professional roles; organisational frameworks, management and legal practices. They will have developed an inquiring attitude about the ethics of design professional practice, in order to use this knowledge in their work experience in their practical year (first year of the B Arch).

The work done should indicate, in a progressional way, the degree to which a student has a clear perception of what a design professional does, within what formal structures of organisation, ethics and the laws and statutes governing the designed environment, and with reference to architects, the building industry, and regulatory bodies.

The unit examines the nature and range of design disciplines and the roles of individuals, in a professional context, with particular reference to the built environment and to architecture. It includes knowledge of office management theory, practice and organisational structures; ethical concepts and their application; legal concepts and structures as applied to design and the built environment and as effecting the operations of a designer; the roles and responsibilities of all parties in the creation of a building.

Elective Units of Study

DESC 6012 Colour Design

5 credit points

Teacher/Coordinator: Assoc Prof Purcell

Prerequisite: People and the Environment

When Offered: Check with department

Classes: Lectures and computer based design sessions

Assessment: Three assignments (weighted 10, 30 and 60%)

Quota 30 students

Objectives:

- to teach participants how to use computer software which allows the manipulation of the colour of both photographic and graphic images;

- to integrate the available knowledge about the way colours are experienced into a number of design exercises;
- to use the capacities of the computer to explore the interaction between colours using simple graphic images;
- to carry out a colour design exercise involving the design of a simple artefact such as a lapel badge, letterhead or package; and
- to design a series of colour schemes for a building facade.

Outcomes: On completing the unit participants will have:

- developed a sufficient level of skill in using a computer to generate graphic images, and to manipulate the colour of those images, in order to develop a series of colour designs efficiently and effectively;
- carried out a series of exercises investigating both fundamental aspects of the way we experience colour (colour interaction via contrast) and more complex aspects of colour experience (preference, familiarity, exciting-calming);
- designed a small-scale artefact for a particular client that integrates knowledge about the way colour is experienced into a particular design context; and
- designed colour schemes for the facade of an existing building in an inner city context for two different client groups with different requirements, again using the knowledge available about the way we experience colour.

Assessment will be based on the three colour design assignments. The first involves the investigation of colour interaction. The second involves the design of a simple artefact. The third involves a series of colour designs for a building facade.

Whenever a designer specifies the materials to be used in a building, decisions about colour are automatically involved. This occurs whether or not the designer flunks about the decisions made in this way. Colour also has a major impact on our experience of a building. Knowledge about how people experience colour can be used both to develop a design and to evaluate design decisions. The course involves using such knowledge to develop a series of colour designs.

Practical Work:

Computer laboratory classes

ARCH 6027 Cross-Cultural Approaches to Architecture and Planning

3 credit points

Teacher/Coordinator: Assoc Prof Rubbo

Prerequisite: Habitat and Society A and B

When Offered: Check with department

Classes: Seminars

Assessment: Class presentation and participation (50%), 2500 word essay (50%)

Objectives: This unit will encourage imaginative and lateral thinking approaches to issues of cultural diversity. It will enhance students' employment opportunities and workplace effectiveness through knowledge of architectural and planning practices in cross-cultural settings and understanding of social and cultural sustainability in environmental design.

Outcomes: Seminar participants will enhance their knowledge of cultural difference and its significance for environmental design, and increase their capacity to understand, interpret and act effectively in areas related to the design planning, protection and conservation of the built environment for diverse cultures in developed and developing economies.

This seminar seeks to expand participants' knowledge of cultural factors in relation to the processes and practices of environmental design in developing and developed economies. Drawing on examples from Asia, Latin America, Africa and Australia the focus of the course will be the relationship between culture and architecture, development policy, the economics and politics of settlement, and the often

conflicting role facing professionals as a result of class differences and ethnic diversity.

ARCH 6010 Design and Consultation

3 credit points

Teacher/Coordinator: Assoc Prof Rubbo

Prerequisite: Habitat and Society B

When Offered: Check with department

Classes: Seminars

Assessment: Class presentation and participation (50%); 2500 word essay or field work project (50%)

Objectives: This unit will further explore people-oriented approaches to environmental design.

Outcomes: Students will enhance their knowledge of, and gain skills in, consultative and group processes in design; and enhance their employment opportunities and workplace effectiveness through capacity to apply these skills.

This seminar seeks to expand participants' knowledge of, and skills in, consultative processes including active listening, participant observation, interviews, focus groups, mediation, conflict resolution, appropriate representation, and the generation of ideas amongst diverse stakeholders — e.g. colleagues, clients, communities, authorities — and increasingly diverse design disciplines — architecture, landscape architecture, urban design, visual, digital and plastic arts, urban, regional and cultural planning, and services. Case studies will focus on the opportunities and constraints consultation affords design and planning processes.

ARCH 6008 Urban Conservation Planning

3 credit points

Teacher/Coordinator: To be determined

Prerequisite: History of the Built Environment A and B

When Offered: Check with department

Classes: Lectures and videos

Assessment: Position paper, seminar and discussion

Objectives: The unit aims to identify and assess the cultural significance of urban places, to introduce the main skills required in the practice of conservation planning, and to examine the trends and policies which have led to current conservation-based development.

Outcomes: By the end of the unit the student will have knowledge of the trends which influence the interpretation and assessment of cultural significance in urban areas; have an introductory knowledge of the basic skills required for the practice of conservation planning; and be familiar with those trends which have influenced and promoted conservation-led planning policies.

The position papers will ask participants to analyse the factors which lead to the formal assessment of value in urban places and to then-expression by means of policy instruments. The seminars will encourage debate on the critical questions guiding current conservation practice.

The unit will examine both the theory and the practice of heritage conservation planning in urban areas. It identifies the concepts, instruments and policies which lead to the definition and evolution of the concept of cultural significance in cities. It will also analyse planning trends which have encouraged the conservation of valuable urban environments. Both Australian and international cases will be examined.

ARCH 6013 Architectural Design Elective A

3 credit points

When Offered: July semester

Classes: Independent study elective

This elective enables students to undertake additional design work over the two years of the degree. This may be an individually structured

program or, for example, related to an architectural design competition sponsored by a professional institute. In all such cases application must be made for approval, setting out the specific educational objectives of the project, and the program of work proposed.

DESC 6013 Knowledge Structure in Design

3 credit points

Teacher/Coordinator: Contact Faculty

When Offered: Contact Faculty

Contact Faculty for details.

Area: Environmental Science and Technology

This area aims to develop an awareness of the environmental constraints of the built environment and an understanding of the physical processes which interact with built forms to produce these constraints. It explores appropriate responses to climate, topography and landscape, and the behaviour of thermal, visual and aural phenomena in the natural and built environments. Appropriate evaluative and analytical skills are developed.

Mandatory Units of Study

ARCH 1001 Climate, Landscape and the Built Environment A

3 credit points

Teacher/Coordinator: Mr Forwood

When Offered: March semester

Classes: Lectures, tutorials and laboratory classes

Assessment: Four assignments

Objectives: This unit will study the natural environment as a setting for design; introduce some of the knowledge and skills required to evaluate the physical environment on a site; and relate the study and evaluation of a site to an understanding of the physical characteristics of the region within which it is located.

Outcomes: At the conclusion of this unit each student is expected to:

- know about the operation of the natural environment as a physical, biological and ecological system;
- understand how the natural environment acts as an influence upon the design of objects within the built environment;
- understand how to evaluate the impact of design actions upon an existing environment;
- understand the concept of climate;
- be able to collect, analyse and interpret climate data at the regional or microclimatic scale for the purposes of a particular design task;
- be able to undertake a site planning study for a particular site and a particular design task;
- be able to evaluate the wind and solar environments on a site;
- be able to define the different microclimates existing on a site; and
- be able to interpret the topography and the physical structure of the landscape of a site and relate it to its surrounding region.

The first two assignments test students' ability to apply their understanding of the physical environment at the global and regional scales to an investigation of the landscape and microclimate of a particular region. The major assignment provides the opportunity for students to demonstrate their skills at site evaluation and analysis on a particular site located within the region.

This unit begins with a study of the physical processes which generate the natural environment and explores how these processes create the world's climates. Attention is then focused upon Australia, and more

particularly Sydney, as settings for design and these microclimates are studied in more detail. Techniques are presented for the collection and analysis of climatic data as a knowledge base to support the design process. The regional biosphere is then studied, again concentrating upon Sydney, in order to study the operation of natural processes in the landscape and as an introduction to assessing the impact of designed interventions upon these processes. The scale of the individual site is then considered and techniques for site planning are presented as a systematic process for exploring the full environmental potential of a site.

Practical Work:

Laboratory classes, model testing

DESC 1002 Climate, Landscape and the Built Environment B

3 credit points

Teacher/Coordinator: Mr Foy-wood

When Offered: July semester

Classes: Lectures, tutorials and laboratory classes

Assessment: Two hour examination (40%), assignment (60%)

Objectives: This unit aims to explore the influence of climate and environmental factors upon the form of the built environment; to study the relationship between this form and the environmental quality of space enclosed by it; to explore the concept of 'environmental dimensions' of space as a means of determining the impact of space upon people's sensory experience of it; and to introduce some of the knowledge and skills required for the measurement of 'environmental dimensions' and their effective use in design.

Outcomes: At the conclusion of this unit each student is expected to:

- know about and develop views upon the influence of climate as a determinant of the form of the built environment;
- understand what is meant by 'environmental dimensions' of space and the relationship between these dimensions and the forms which enclose and create space;
- understand how these dimensions determine the impact of an environment upon people's sensory experience of space;
- be able to use standard instrumentation to measure some of these dimensions, in particular those which describe the thermal, aural and luminous environments; and
- be familiar with, and be able to critically examine, available literature on the environmental qualities of architecture.

The examination tests students' basic understanding of the concepts and principles underlying environmental dimensions and their impact on people's sensory perception of space. The assignment provides an opportunity for developing instrumentation, measurement and reporting skills as well as exploring the use of environmental dimensions in designing the built environment.

The first component examines historically the hypothesis that the form of the built environment in any age is influenced by the interaction between climate, available technology and materials, and cultural values. The second component defines three sets of environmental dimensions (thermal, luminous and aural) which define enclosed space and examines their impact upon human sensory perception of space. The third component explores the use of these dimensions in design and introduces some of the literature of environmental design.

Practical Work:

Laboratory classes, field measurements

ARCH 2003 Landscape Design

3 credit points

Teacher/Coordinator: Mr Burton

When Offered: March semester

Classes: Lectures and field trips

Assessment: Assignment (60%), 2hr examination (40%)

Objectives: The unit introduces the need to integrate the design of buildings with the landscape. It explores and discusses the traditional background, contemporary ideas and theories of landscape design and its practices, and the influence of the fourth dimension time, through management and maintenance of the built landscape. It also provides an opportunity to appreciate landscapes both directly and by careful analysis.

Outcomes: The student will be expected to begin to demonstrate a personal philosophy towards the making of external spaces, appreciate special design themes appropriate to particular environments and users, be able to make a simple evaluation of a landscape in a ordered way, be able to make judgements at an introductory level about the qualities of a space, and report such information clearly in written and graphic form.

The assignment is designed to provide the student with an opportunity to exercise all of the tasks in the outcomes through a series of written and drawn observations and design suggestions, while the examination requires a more precise series of explanations of the same considerations.

Design theories, principles and practices are explored as themes through various lecture topics providing different ways of perceiving landscapes. The major physical elements of landscape, such as space, scale, land, air, water, vegetation and built forms, are discussed together with their related surface, edges, and types of materials used in different contexts.

Practical Work:

Field trips

DESC 2001 Environmental Science and Technology A

4 credit points

Teacher/Coordinator: Dr Hayman

Prerequisite: Climate, Landscape and the Built Environment A and B

When Offered: July semester

Classes: Lectures, tutorials and investigations

Assessment: Multi-part assignment (60%) and one examination (40%)

Objectives: This unit aims to:

- develop an understanding of the basic laws which determine the physical environment in buildings;
- explore measurement and evaluation of the physical environment to inform decisions which have an influence upon the environmental dimensions of enclosed space;
- develop a theoretical basis for the exploration of the environmental performance of building elements; and
- generate appropriate solutions from first principles rather than accepting standard or commonly held solutions and rules of thumb.

Outcomes: At the completion of this unit students should:

- understand the basic principles of heat, light and sound transfer through the building fabric;
- understand how to achieve a desired set of environmental dimensions for spaces within a building by designing the building fabric as a selective environmental filter; and
- be proficient in evaluating design decisions in relation to environmental criteria by estimating internal temperatures, daylight quantities and sound levels using established analytical techniques.

The examination tests basic understanding of the principles and concepts discussed in the lectures and an assignment assesses the ability to apply the knowledge and skills gained in lectures and tutorials to a small-scale design exercise.

The content discusses the physical processes involved in the transmission of light, sound and thermal energy. The properties of materials and construction of elements which influence this transmission are outlined. The lectures focus on the application of

this knowledge to the role of the building fabric as an environmental filter.

Practical Work:

Laboratory classes

DESC 3001 Environmental Science and Technology B

4 credit points

Teacher/Coordinator: Assoc Prof Fricke

Prerequisite: Environmental Science and Technology A

When Offered: March semester

Classes: Lectures, tutorials and investigations

Assessment: Assignment (60%) and one examination (40%)

Prerequisite unit for the BArch

Objectives: This unit aims to:

- investigate the concept of environmental goals and management strategies to building design;
- apply the environmental principles learnt in this and prerequisite courses to whole, small- to medium-scale, building projects; and
- coordinate this application with common projects in the units Construction B and Design E.

Outcomes: At the completion of this unit students should be able to:

- analyse the environmental potential of a site;
- understand and apply environmental management strategies, including alternative approaches, to small- to medium-scale building design projects including their interior spaces;
- define appropriate quantitative and qualitative environmental goals for such a project; and
- design an integrated project and evaluate the effectiveness of it, quantitatively and qualitatively, in meeting these environmental goals.

The assessment assumes all knowledge gained in Climate Landscape and the Built Environment and Environmental Science and Technology A and is therefore seen as a summary project for all environmental knowledge gained in the BSc(Arch). Environmental goals, strategies and decisions made in a design process are required to be justified, both quantitatively and qualitatively, so that the success, or otherwise, of that environmental decision making can be evaluated.

This unit provides formal instruction in principles of thermal services, artificial lighting, room acoustics, and fire in buildings. It applies these and the environmental principles learnt in prerequisite courses to whole, small- to medium-scale, building projects.

Practical Work:

Field measurements

Elective Units of Study

DESC 6004 Energy and the Built Environment

3 credit points

Teacher/Coordinator: Mr Forwood

Prerequisite: Climate, Landscape and the Built Environment A and B

When Offered: Check with department

Classes: Lectures and seminars

Assessment: Assignment and seminar participation

Objectives: This unit will explore the social, economic, political and technological constraints which influence the flow of energy in modern society; examine alternative energy supply options for a sustainable future built environment; present an understanding of buildings as energy investments and examine their environmental impacts; and debate the role of architects and other building designers in creating a sustainable built environment.

Outcomes: At the conclusion of this unit each student is expected to:

- understand the way modern societies utilise energy and know about the industry which supplies it;

- have a working knowledge of both renewable and non-renewable energy sources for the built environment;
- understand how buildings consume energy;
- have developed an understanding of, and formed opinions about, the concept of 'sustainability' as it relates to the built environment; and
- have developed a defensible position on the role of architects in creating a sustainable society.

Participation in a seminar provides an opportunity for students to develop attitudes and opinions and explore fundamental issues. The assignment allows them to elucidate these views and to explore particular topics of interest in greater depth.

This unit addresses the issue of energy usage in modern society and relates this to the creation of a sustainable built environment. Existing energy sources and their environmental implications are discussed and alternative, more sustainable forms are explored. The role of architects in designing a sustainable built environment is explored in a series of seminars.

DESC 6005 Ergonomics

3 credit points

Teacher/Coordinator: Dr Hayman

Prerequisite: People and the Environment, Mathematics and Science in Design

When Offered: Check with department

Classes: Lectures, tutorials and seminars

Assessment: Assignment - case study in two parts (40%, 60%)

Objectives: This unit will demonstrate that ergonomics is the systematic study of the relationship between individuals, populations and their environment, examine relevant ergonomic knowledge and skills for design practice, and provide appropriate statistical background for the analysis of ergonomic data.

Outcomes: Each student should be familiar with ergonomics as a scientific activity, be able to demonstrate the application of ergonomics to a design situation, and utilise appropriate data collection and analysis techniques.

The assignment is concerned with the ergonomic analysis of a particular case study and the provision of a report with recommendations for its improvement. The format used is designed to encourage the formal presentation of data, analysis and underlying argument.

Ergonomics is a central component of the detail design of the built environment. This course covers not only the traditional areas of static and dynamic anthropometrics (human dimensions) but also the wider context of environmental, perceptual, cognitive and organisational ergonomics. Case studies are used to demonstrate the application of ergonomic knowledge to design practice.

ARCH 6015 Introduction to Plant Material

5 credit points

Teacher/Coordinator: To be determined

Prerequisite: Landscape Design

When Offered: Check with department

Classes: Lectures, practicals, fieldwork

Assessment: Examination, assignment

Quota 15 students

To successfully design with plants it is essential to know something about them as a material. This unit examines basic plant structures and functions and the essential requirements to promote growth. It discusses broad classification systems, important vegetation types, taxonomy, nomenclature and simple identification techniques. Distinguishing visual and structural characteristics of broad subdivisions of plants such as trees, shrubs, ground covers, climbers, herbaceous perennials and grasses are identified and their design potential, together with aesthetic and environmental values, are discussed. Both native and exotic species are used as examples, and

students are expected to acquire a sound working knowledge of useful landscape plants for a range of design situations.

Practical Work:

Field trips

ARCH 6016 Landscape Design Elective A

3 credit points

When Offered: March semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

DESC 6006 Environmental Science Elective A

3 credit points

When Offered: March semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

Area: Design Communications

The design communications area involves both the communication of ideas to others and the articulation of the designer's own ideas. It combines an understanding of the theory of communications, critical abilities in evaluating communicated messages, and some practical skills in a variety of communications media including computer-based media.

Mandatory Units of Study

ARCH 1005 Design Communications A

4 credit points

Teacher/Coordinator: Ms Sodersten

When Offered: March semester

Classes: Lectures, studio exercises and tutorials

Assessment: Assignments

Objectives: The unit will introduce students to the various types of communication required in the built environment field, including: fundamental drawing and sketching skills; basic architectural drawing skills; basic model-making; written communication; and use of computing tools to communicate words and images. The main focus is the development of skills which increase the students' ability to elucidate and express ideas to themselves and others.

Outcomes: At the successful completion of the unit students will:

- have gained familiarity with a range of drawing media, mostly dry;
- be able, at least in a schematic way, to observe and draw objectively;
- have demonstrated basic orthographic drawing skills in pencil;
- have demonstrated basic model-making skills;
- have demonstrated basic essay writing skills, including referencing; and
- have demonstrated elementary computing skills in word processing, image processing, graphics and page layout.

The outcomes of the unit are achieved through weekly tutorials and studio exercises based on developing particular skills. Assessment criteria examine the development and level of those skills expressed in the work presented. Assessment is based on weekly tutorials and exercises and a portfolio of work presented at the end of each part of the course.

The main focus of the unit is the development of skills which increase the students' ability to elucidate and express ideas to themselves and fellow designers. The course is divided into two main sections covering manual and computer skills. The first covers primarily manual graphic and model-making skills, and includes written and verbal skills. The second covers introductory computer skills for use in word and image processing.

Practical Work:

Studio classes, computer laboratory

ARCH 1006 Design Communications B

4 credit points

Teacher/Coordinator: Ms Sodersten

When Offered: July semester

Classes: Lectures, studio exercises and tutorials

Assessment: Assignments

Objectives: The unit will develop skills in the various types of communication required in the built environment field and including: fundamental drawing skills; architectural graphic skills; model-making; and use of computing tools to produce 3D models.

Outcomes: At the successful completion of the unit students will:

- have developed familiarity with a range of drawing media, mostly dry;
- be able, in a schematic way, to observe and draw objectively;
- have demonstrated basic orthographic drawing skills in pencil, ink and a range of drawing media sufficient to communicate appropriately their design proposals to other members of the built environment professions;
- have demonstrated model-making skills sufficient to communicate appropriately their design proposals;
- have developed strategies for representing a building in three dimensions, using a modelling system;
- have achieved a level of competency using modelling software; and
- have developed a facility with computer-based 3D models and views.

The outcomes of the unit are achieved through weekly tutorials and studio exercises based on developing particular skills. Assessment criteria examine the development and level of those skills expressed in the work presented. Assessment is based on weekly tutorials and exercises and a portfolio of work presented at the end of each part of the course.

The main focus of the unit is the development of skills which increase the students' ability to communicate with other members of the built environment professions. The unit is divided into two main sections covering manual and computer skills. Manual skills development includes graphic and model-making skills, and the computer skills component emphasises 3D wireframe and solid modelling of objects.

Practical Work:

Studio classes, computer laboratory

ARCH 2009 Design Communications C

3 credit points

Teacher/Coordinator: Dr Rutherford

Prerequisite: Design Communications A and B

When Offered: March semester

Classes: Lectures, demonstrations of CAD techniques and tutorials

Assessment: Tutorial submissions (50%), project drawings and 3D models (50%). Tutorial assignment files are submitted to an electronic drop box for assessment on a regular continuing basis. The second half of the semester is devoted to projects during which a specific building is modelled in 3D from which 2D drawings are produced. This project submission is in the form of printed drawings for the 2D presentation and electronic form for 3D models

Objectives: This unit introduces computer-aided drafting, modelling and visualisation techniques that enhance and extend design communications, and develop computer skills in CAD — 2D plans and elevations, 3D modelling and production of views.

Outcomes: At the end of the unit the student's computer skills should be sufficient to allow for the production of 2D drawings with dimensions and layers, and the production of 3D models and perspective views with hidden lines removed and surfaces with colour.

The assessment of the tutorials relates to basic CAD skills and the project submission relates to the production of drawings and 3D models.

The lectures cover the following subjects: essential elements of CAD, CAD applications and future directions for CAD modelling.

The tutorials introduce AutoCAD, operating on a UNIX network and/or PCs, to develop and reinforce knowledge in the following areas: basic CAD orientation, drawing and editing commands and tools; 3D 'wire frame', 'hidden line', and surface modelling; display and presentation commands.

Practical Work:

Computer laboratory

ARCH 2005 Design Communications D

3 credit points

Teacher/Coordinator: Mr James

Prerequisite: Design Communications A and B

When Offered: July semester

Classes: Lectures and studio workshops

Assessment: Design Communications (A3 recommended) portfolio including representations of Design C: Plans 1 and 2 and Design D final submissions, hard copy from Design Communications C, selected log book extracts and reproductions from workshop exercises

Objectives: The unit aims to continue manual skills' development in the representation of architectural works which communicate ideas to lay persons and the public at large.

Outcomes: At the conclusion of the unit students will be able to:

- understand and realistically portray conventional orthogonal and three-dimensional projections of buildings and settings;
- understand and use a mixed range of communication techniques including graphic design and layout, photography (particularly models), available graphic reproduction technology, verbal and written techniques; and
- assemble, format, style and present a bound portfolio of personal contemporary works including CAD exercises.

Assessment is based upon the degree to which the outcomes represent communications techniques at a sub-professional level equivalent to a capacity to gain employment in an architect's office.

The unit reviews all first semester design submissions and CAD work by means of workshop exercises in model photography and perspective by oral, written and multi-media communication techniques, composition, lettering, graphic reproduction techniques, log book enhancement and portfolio presentation.

Practical Work:

Studio Classes

Elective Units of Study

DESC 6001 Computer-Based Design

3 credit points

Teacher/Coordinator: Prof Maher

When Offered: July semester

Classes: Lecture/demonstration

Assessment: Design project

Objectives: This unit will present computer-based design as the integration of multi-disciplinary design tools and provide experience in electronic communication and documentation of group design.

Outcomes: Students will develop skills in using networked computer facilities; skills in computer-based design synthesis, analysis, and documentation; and experience in using e-mail and the World Wide Web.

The assessment of the design project relates to the computer skills outcomes and experience in e-mail and the Web.

This is an interdisciplinary course attracting students from architecture and engineering. The lectures present and demonstrate computer tools for synthesis and analysis of design. The students work in groups on a design project to develop and document a design using computer tools.

Practical Work:

Computer laboratory

DESC 6002 Understanding Design

3 credit points

Teacher/Coordinator: Dr Rosenman

When Offered: Check with department

Classes: Lectures

Assessment: Three essays (two worth 25% each and one essay worth 50%)

Objectives: This unit aims to present design as a general activity in its own right concerned with the needs of the consciously created environment; to stress the importance of design and its consequences; to point out the commonalities and differences between the various design disciplines regarding their specific goals, concerns; factors and methods; and to make students aware of the processes involved in design.

Outcomes: Students are expected to realise the existence of design and designing, the purpose of and outcomes from design as an activity, and the consequences of designs at social, cultural and ecological levels. They are expected to appreciate the commonalities and differences between various design disciplines and to have acquired knowledge of how a physical object can be designed.

Students' awareness will be demonstrated through the satisfactory completion of the three assignments. The first assignment directs students to examine a designed object in a familiar setting, familiarising themselves with the aims and results of designed objects; the second focuses on how a designed object fits into the socio-cultural and physical context and how it affects this environment and to examine the role of the particular design disciplines involved; the third asks the student to utilise all the knowledge they have gained during the lectures to propose improvements in an existing object to meet some perceived need.

The lectures and assignments divide into three parts. Part A deals with the broad overview of design as an activity, its relation with the social context and its relationship to the activities of science and art; part B presents the activities of various design disciplines; part C describes some formal concepts relating to modelling the design process, representing design, and positioning design/ing within current critical thinking. Three assignments complement the three parts of the lecture series.

ARCH 6041 Design Communications Elective A

3 credit points

When Offered: March semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

Area: Art Workshop Allied Arts

The ability to explore and express ideas through visual media is extremely important for architects who must be able to communicate in two and three dimensions, detailed and precise plans about properties, objects and processes, as well as general concepts and ideas.

The allied arts units offered by the Art Workshop provide students with the opportunity to expand their abilities by acquiring specific art media skills invaluable for their development into professional architects. Art Workshop courses also enable students to refine their understanding, through first-hand experience in a variety of art media, of the continuing and productive relationship between architecture and art.

Elective Units of Study

ARTW 6001 Drawing 1

3 credit points

Teacher/Coordinator: Mr Levitus, Ms Kenyon

When Offered: July semester

Classes: Studio work, slide lectures and gallery visits

Assessment: Attendance (10%), studio skills and technique (20%), studio work (20%), portfolio and completed projects (50%)

Quota 20 students

Objectives: The aim of this unit is to provide students with the knowledge, skills and attitudes required to use a range of fundamental drawing skills, media and techniques and observational skills, to make drawings based on observation of the physical world, to experiment with imaginative applications of media and drawing techniques and develop imaginative drawings based on observational skills.

Outcomes: Students will gain familiarity with a range of drawing media, mostly dry, including charcoal, graphite, pencil, conte, pen and ink, brush and ink, as well as watercolour and gouache as ground or backwash. They will also be able to use imaginative approaches to observing and recording the visible world using a variety of techniques and combinations of drawing media.

Students are assessed on attendance, demonstrated familiarity with materials and techniques, studio work including approach and attitude, successful completion of all projects and a portfolio containing final works for projects, and a selection of fifteen drawings and sketches completed during the unit. A journal or sketchbook is to be kept throughout the unit and will be included in the assessment.

The unit begins with a discussion of motives for drawing supported by a slide lecture, introduction to a range of drawing materials, instruction on a range of mark-making techniques, methods of tonal range, use of perspective and an understanding of composition. Through structured projects students learn to use these materials and techniques to express individual responses based on observation in creative and imaginative ways.

Practical Work:

Design studio classes

ARTW 6002 Drawing 2

3 credit points

Teacher/Coordinator: Mr Levitus

Prerequisite: Drawing 1

When Offered: July semester

Classes: Practical studio work

Assessment: Workshop practice (50%) and portfolio of works (50%)

Quota 20 students

Objectives: This unit aims to increase the student's level of skill in all three skill areas of drawing — representational, interpretive and

expressive — and in the use of media, more specific to the individual student's need of expression. Imaginative and experimental techniques will be used for all subject matter including the human figure.

Outcomes: Students will build on their experience with a range of drawing media and be able to use imaginative approaches to observing and recording the visible world using a variety of techniques and combinations of drawing media. They should have enough experience at the end of the course to be able to criticise and select from their own work for their finished portfolio or exhibition.

Students are assessed on attendance, demonstrated ability with materials and techniques, studio work including approach and attitude, successful completion of all projects and a portfolio containing final works for projects or exhibition. A journal or sketchbook is to be kept throughout the course and will be included in the assessment.

This unit provides students with the opportunity to combine sound observational skills with imaginative and experimental techniques, in order to encourage a personal vision and style and a commitment to the practice of drawing as a visual art discipline in its own right.

Practical Work:

Design studio classes

ARTW 6003 Set Design 1

3 credit points

Teacher/Coordinator: Ms Kenyon

When Offered: July semester

Classes: Practical studio work and site visits

Assessment: Research assignment (20%), final model, verbal presentation and journal (80 %)

Quota 12 students

Objectives: This unit provides an introduction to the local theatre industry, stage and set design.

Outcomes: At the end of the unit students should understand the relationship between a text and designing a theatrical space; understand accurately miniaturising a design for theatre and transposing from life size to a 1:25 drawing and model; develop skills in visual rendering and spatial organisation; and develop historical visual references, cultural references and the ability to visualise for changing performances.

Students are required to research, design and build a miniature set, utilising the floor plans of local theatre spaces and imaginary film and TV sets. Work practice is assessed by the students' approach and attitude to their work and studio. Research and image conception are assessed by the production of a working journal kept throughout the course and application of learned skills gained.

Students select from a series of nominated projects and present their research, scale drawn design and model for assessment. This course utilises skills of painting, model construction, interior design and lighting. Liaison with the Centre for Performance Studies will inform the course with structure and direction of plays and deal with the use of space necessary to performance. The course includes visits to Belvoir Street, the Performance Space and other interested groups.

Practical Work:

Art workshop classes, model making

ARTW 6004 Etching 1

3 credit points

Teacher/Coordinator: Ms Martin

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), class participation (10%), studio skills and technique (30%), final project (50%)

Quota 14 students

Objectives: The unit will develop critical awareness of images and image making, explore etching as an artistic medium, and develop studio skills.

Outcomes: At the conclusion of the unit students will understand the techniques required to produce an etching, have a working understanding of the chemicals, equipment and materials used in the studio, and have gained a greater understanding about art production.

The assessment is ongoing, encompassing studio practice, punctuality and attendance, students' ability to apply the techniques demonstrated, originality of the art work and general attitude in the studio environment and to the work itself.

Students will be introduced to the creative side of etching while developing new skills. They will acquire a broad understanding of how a print is made, while emphasis is placed on the theory and history of print making. Techniques covered are: dry point, hard ground, soft ground, aquatinting, sugar lift, marbling and embossing. Students will be able to elaborate and apply these skills, being free to explore the potential of these diverse techniques while developing their own individual approach to print making.

Practical Work:

Art workshop classes

ARTW 6005 Graphic Design 1

3 credit points

Teacher/Coordinator: Ms Clerk

When Offered: July semester

Classes: Practical studio work

Assessment: Participation (10%), class projects (30%), analysis of examples (20%), major project (40%)

Quota 10 students

Objectives: The aim of the unit is to develop visual literacy with graphic techniques involving a variety of media; encourage students to value visual experimentation and initial research as a process for personalised creative problem solving; initiate group and self assessment methods for evaluating and analysing receiver engagement and communication effectiveness of a design solution; and to introduce the importance of hand skills and project management in the refining and detailing of processing, production and presentation of design solutions.

Outcomes: Students will gain the ability to maximise the graphic qualities and physical form of media and apply them to static and dynamic design solutions, and to understand the criteria by which communication effectiveness can be evaluated along with receiver engagement.

Students will compile a process journal containing annotated graphic design examples from contemporary sources along with class projects which explore subjects such as texture, tone, typography, figure/ground reversal, and layout. The major project is a communication concept in collaboration with tutor and self-selected group, to separate and then synthesise graphic elements, and to manage deadlines of completion of tasks. Self and peer assessment methods are applied.

This unit introduces students to the basic skills, concepts and materials of graphic design, undertaking preliminary exercises in layout, use of type, illustration techniques and paper engineering. A set of exercises integrates and develops the range of skills explored in the preliminary exercises by concentration on set themes.

Practical Work:

Art workshop classes

ARTW 6006 Painting 1

3 credit points

Teacher/Coordinator: Mr Levitus

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), studio skills and techniques (20%), studio work (20%), portfolio and completed projects (50%)

Quota 20 students

Objectives: The purpose of this unit is to provide the student with the knowledge, skills and attitude required to use a range of fundamental painting skills, including an understanding of acrylic media and techniques, basic colour theory, how to mix colours, an understanding of tonal values and composition, to make paintings based on observation of the physical world, and to experiment with imaginative applications of acrylic media based on observational skills.

Outcomes: On successful completion the student should have gained familiarity with acrylic media; be able to apply basic colour theory, to mix secondary and tertiary colours, and to create a tonal range; and be able to use imaginative approaches to observing and painting the visible world based on sketches and studies.

Students are assessed on attendance, demonstrated familiarity with materials and techniques, studio work including approach and attitude, successful completion of all projects and a portfolio to be handed in at the end of the course containing final works for three projects and a selection of 10 drawings, sketches and studies completed during the course. A journal or sketchbook should be kept throughout the course and will be included in the assessment.

This introductory unit shows students who have little or no experience with painting how to prepare canvas and grounds, mix colours, then undertake practical work in observational painting (still-life painting form, modelling and shading techniques), anatomy (painting with a live model, self portraiture), perspective and ideas and images (style and appropriation, the decorative, words and text, collage and abstraction).

Practical Work:

Art workshop classes

ARTW 6007 Painting 2

3 credit points

Teacher/Coordinator: Mr Littler

Prerequisite: Painting 1

When Offered: July semester

Classes: Practical studio work, slide lectures, gallery visits, demonstrations

Assessment: Attendance (10%), studio skills and technique (20%), special projects and finished work (70%)

Quota 20 students

Objectives: This unit aims to increase students' level of skill in painting both from the visible world and in interpretive and expressive modes. Emphasis will be placed on students' individual projects. Imaginative and experimental techniques such as mixed-media and collage/montage will be taught, reflecting current contemporary practice.

Outcomes: Students will build on their experience with a range of painting media and be able to use imaginative approaches using a variety of techniques and combinations of painting and mixed-media. They should have enough experience to be able to criticise and select from their own work for possible exhibition.

Students are assessed on attendance, demonstrated ability with materials and techniques, studio work including approach and attitude, successful completion of all projects and a final work to be handed in at the end of the course. A journal or sketchbook is to be kept throughout the course and will be included in the assessment.

This unit provides students with the opportunity to combine imaginative and experimental techniques, in order to encourage a personal vision and style and a commitment to the practice of painting as a visual art discipline in its own right.

Practical Work:

Art workshop classes

ARTW 6008 Photography 1

3 credit points

Teacher/Coordinator: Ms Ross

When Offered: July semester

Classes: Practical studio and outdoor work

Assessment: Application of skill to assignments (50%), final work (50%)

Quota 28 students

Objectives: This practical unit demonstrates techniques of basic black and white photography camera operations, film exposure and development and printing negatives.

Outcomes: Students should understand the principles and practice of camera operations for successful completion of the course.

A portfolio of finished work is assessed at the end of semester. The student is also assessed on the skills gained, their understanding of the principles of basic photography and darkroom work, their application to the course and their performance during the course. Individual assignments are designed to test progressive skill development.

This beginners' unit covers basic 35 mm SLR black and white photography and assumes the student has no prior photographic skills. Technical skills developed will include the operation of camera, exposure, lighting, processing, printing, developing and experimentation from exposed negatives.

Practical Work:

Studio, outdoor shoots

ARTW 6009 Photography 2

3 credit points

Teacher/Coordinator: Ms Talbert

Prerequisite: Photography 1

When Offered: July semester

Classes: Practical studio and outdoor work

Assessment: Attendance and studio practice (20%), technical development (20%), final work(s) (60%)

Quota 28 students

Objectives: The unit aims to advance technical skills in the creation and printing of black and white negatives.

Outcomes: Students should become proficient with the skills of developing negatives from Kodalith (Film 2000) and Orthographic black and white film; techniques of montage in the camera and the enlarger; colour re-touching of prints using a broad selection of materials, i.e. photographic inks, food dyes, watercolours and gouache paints; and photographing art works in a studio and copy stand environment.

Assessment is ongoing and includes the areas of attendance, studio practice, technical skills and development and the completion of a final set of works.

This unit refines and develops the skills introduced in Photography 1. Students will research a number of different genres in photographic art history with a view to completing their own visual project in an area of interest to them. A critical attitude to the production and construction of images, including hand colouring and montage, will be encouraged.

Practical Work:

Studio, outdoor shoots

ARTW 6010 Screen Printing — Paper 1

3 credit points

Teacher/Coordinator: Ms Fieldsend

When Offered: July semester

Classes: Practical studio work

Assessment: Design exercises (20%), attendance (10%), workshop practice (10%), research journal/image conception (20%), technical development (10%), final work (30%)

Quota 12 students

Objectives: This unit will introduce the student to a range of screen printing techniques as well as developing creative and design skills. It will provide basic awareness of the history of screen printing in the graphic and the fine arts.

Outcomes: On successful completion the student should have gained a knowledge of a range of design techniques for screen printing and be familiar with screen printing stencils, including photo stencils, ink technology, image registration and editioning as well as experimental techniques. They should also have a basic understanding of colour and appreciation of screen printing in its graphic, industrial and fine arts applications.

Students will be assessed on attendance, workshop practice, a series of preliminary exercises and a working journal that shows an engagement with various screen printing techniques as well as design considerations. Assessment will also be of a final project which will be a multi-coloured edition or experimental series of screen prints showing imagination and technical proficiency.

This beginners' unit covers design development, the preparation of hand-cut, wax, and photo-emulsion stencils, colour mixing, image registration and editioning. Artist quality, water-based non-toxic inks are used. An awareness of historical and contemporary screen prints is also taught. Students will produce an edition of multi-coloured screen prints or a series of experimental works.

Practical Work:

Art workshop classes

ARTW 6011 Screen Printing — Paper 2

3 credit points

Teacher/Coordinator: Ms Fieldsend

Prerequisite: Screen Printing — Paper 1

When Offered: July semester

Classes: Practical studio work

Assessment: Design exercises (20%), attendance (10%), workshop practice (10%), research journal/image conception (20%), technical development (10%), final work (30%)

Quota 12 students

Objectives: Students will develop and consolidate technical and imaginative skills in screen printing. They will gain the ability to use a wide variety of screen printing techniques showing accomplishment and originality, and a greater knowledge of screen printing in its graphic and fine arts applications.

Outcomes: Students should have an in-depth knowledge of a wide variety of techniques and be able to use them in a creative and imaginative way. They should also have the ability to utilise graphic and fine arts research in their studio work and should also have produced an edition of screen prints/series of experimental prints (usually on a larger scale than in Screen Printing — Paper 1) that shows a developed appreciation of technique, colour and image construction.

Students will be assessed on attendance, technical development and demonstrated familiarity with screen printing procedures and materials that are appropriate to the unit; completion of an edition of a series of prints that show an in-depth awareness of technique and design; a working journal that is kept throughout the unit; and their approach and attitude to their work and the unit.

This unit extends the students' skills and abilities acquired in Screen Printing — Paper 1, allowing students to develop their printing and creative skills while also allowing for greater experimentation and complexities in their design and technical applications.

Practical Work:

Art workshop classes

ARTW 6012 Screen Printing — Fabric 1

3 credit points

Teacher/Coordinator: Ms Fieldsend

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), workshop practice (10%), working journal (20%), technical development (15%) and final work (45%)

Quota 10 students

Objectives: The purposes of this unit are to provide students with the knowledge and skills to design for and paint on textiles; for students to gain an appreciation of textile decorative art in both clothing and furnishing applications; and to experiment with various techniques and to develop finished textile prints that exhibit an imaginative understanding of colour and design as well as technical proficiency.

Outcomes: On successful completion of this unit the students should have gained a knowledge of a range of stencils (wax emulsion, photostencils and paper); be familiar with ink technology and its relation to various fabrics; have an appreciation of textile decorative art; be aware of design in its application to textiles; and have completed two finished prints — showing an ability to print a multi-coloured placement print, and a length of fabric—using scatter, over and repeat printing.

Students are assessed on attendance, technical development and demonstrated proficiency with screen printing procedures and materials, and the successful completion of a series of preliminary design and technical exercises leading to two final projects — a placement print and a length of printed fabric. Included in the assessment is a working journal that is kept throughout the course as well as the students' approach and attitude to their work and the course.

This beginners' unit investigates and teaches hand painting, paper, wax and photostencils, mixing and fixing of inks, design and colour exercises as related to suitable fabrics; scatter printing, over printing, repeat pattern and multi-colour printing.

Practical Work:

Art workshop classes

ARTW 6013 Sculpture 1

3 credit points

Teacher/Coordinator: Mr Purhonen

When Offered: July semester

Classes: Group demonstration and discussion, individual tuition and practical studio work

Assessment: Two projects (50% each)

Quota 10 students

Objectives: This unit should provide students with knowledge, skills and confidence to use a range of materials and techniques necessary for three-dimensional sculpture. They will be introduced to the conceptual and theoretical aspects of sculpture.

Outcomes: The student should become aware of the inter-relationships between the technical, personal and conceptual concerns in sculpture making.

Assessment will be based on attendance at classes, participation in group discussions and the attempt to demonstrate the understanding and potential of various materials and processes and the attempt to develop and execute ideas, as evident in the complicated works.

This is an introductory unit for students with little or no previous experience in sculpture. A number of traditional sculptural techniques

such as clay modelling, plaster mould making, casting in cement, soldering and welding will be taught and used to explore elementary aspects of three-dimensional form. The student will be required to complete two projects: to make a traditional portrait as well as a more conceptually-based work.

Practical Work:

Art workshop classes

ARTW 6014 Sculpture 2

3 credit points

Teacher/Coordinator: Mr Purhonen

Prerequisite: Sculpture 1

When Offered: July semester

Classes: Group demonstration and discussion, individual tuition and practical studio work

Assessment: Two projects (50% each)

Quota 10 students

Objectives: The unit will further develop the students' knowledge, skills and confidence to explore the potential and limitations of a variety of materials and techniques, as well as an awareness of contemporary sculpture to be able to produce more technically and conceptually advanced work.

Outcomes: Students should become aware of a broader field of possibilities of expression in the three-dimensional medium.

Students will be required to keep a visual journal which will form part of the assessment. Assessment will also be based on attendance at classes, participation in group discussions and the attempt to demonstrate the understanding and potential of materials and processes, and the attempt to develop and execute ideas, as evident in the completed works.

This unit will allow students to increase their level of technical skills and understanding of three-dimensional form and its context. Various fabrication techniques will be taught. Students will be asked to look at contemporary examples of sculpture and installation art and will be encouraged to combine non-traditional materials and techniques or other media with traditional sculptural processes.

Practical Work:

Art workshop classes

ARTW 6015 Film/Video 1

3 credit points

Teacher/Coordinator: Mr Benedek

When Offered: July semester

Classes: Practical studio and outdoor work

Assessment: Attendance (10%), class participation (20%), synopsis (10%), storyboard (10%), and final project (50%)

Quota 20 students

Objectives: The unit will explore the language(s) of moving images, conventions of framing, movement and editing; develop an understanding of the fundamental technical aspects of pre-production, production and post-production; and generate independent and cooperative production using a variety of media.

Outcomes: Students will gain technical proficiency in the diverse areas of pre-production, production and post-production; understand conventions of classical continuity and main visual styles; and produce a moving image piece using videotape or mixed media.

Students are assessed in the context of theoretical understanding and technical aptitude in the various aspects of moving-image production.

In this unit Super-8, VHS video systems, spool and cassette audio tape will be used. Emphasis is placed on skills' development, process and conceptual awareness. The unit is divided into units, exploring approaches to lighting, shooting, editing, sound production and concept development for film and video. A short work in either film or video is to be completed by each student by the end of semester.

Practical Work:

Art workshop classes, field shoots

ARTW 6016 Art Elective 1

3 credit points

Teacher/Coordinator: Ms Kenyon

When Offered: July semester

Classes: Independent study elective

Assessment: Attendance (in consultation with lecturer) 10%, studio skills and techniques 20%, self-directed project measured against aims and objectives of the student 70%.

Art elective units may, but not always, require the prerequisites of level 1 or 2 in the same studio area. The student may attend the normal unit timetable or in consultation with the lecturer devise a more difficult project with a customised timetable.

This will be a self-directed project which is submitted by the student to the lecturer and assessed by the lecturer and the director of the Art Workshop.

E.g. an Art Elective 1 in oil painting may be taken as an advance on painting in acrylics level 1 and 2.

ARTW 6017 Art Elective 2

3 credit points

Teacher/Coordinator: Ms Kenyon

Prerequisite: Art Elective 1

When Offered: July semester

Classes: Independent study elective

Assessment: Attendance (in consultation with lecturer) 10%, studio skills and techniques 20%, self-directed project measured against aims and objectives of the student 70%.

See description for Art Elective 1.

E.g. a special edition of prints may be the core of a self devised project building on the prerequisites of Screenprinting 1 and 2 or Etching 1.

ARTW 6018 Art Elective 3

3 credit points

Teacher/Coordinator: Ms Kenyon

Prerequisite: Art Elective 1 and 2

When Offered: July semester

Classes: Independent study elective

Assessment: Attendance (in consultation with lecturer) 10%, studio skills and techniques 20%, self-directed project measured against aims and objectives of the student 70%.

See description for Art Elective 1.

ARTW 6019 Advanced Art 1

6 credit points

Teacher/Coordinator: Ms Kenyon

When Offered: March semester

Classes: Independent study elective

Assessment: Attendance 10%, essay 20%, exhibition assistance 10%. Separate studio assessment for visual research book and final artwork.

Advanced Art units include an advanced use of media, artistic content and design, art theoretical coursework, the production of a visual research book and exhibition. The course's theme will be published prior to enrolment. As the project of the Advanced Art unit changes each year, students may take the unit more than once.

Studios involved are:

- Ceramics
- Film/video
- Painting/drawing
- Sculpture
- Works on paper.

Practical Work:

Art workshop classes

ARTW 6020 Advanced Art 2

6 credit points

Teacher/Coordinator: Ms Kenyon

Prerequisite: Advanced Art 1

When Offered: March semester

Classes: Independent study elective

Assessment: Attendance 10%, essay 20%, exhibition assistance 10%. Separate studio assessment for visual research book and final artwork.

Advanced Art units include an advanced use of media, artistic content and design, art theoretical coursework, the production of a visual research book and exhibition. The course's theme will be published prior to enrolment. As the project of the Advanced Art unit changes each year, students may take the unit more than once.

Advanced Art 2 is taken when a different form is utilised from Advanced Art 1.

Practical Work:

Art workshop classes

ARTW 6021 Advanced Art 3

6 credit points

Teacher/Coordinator: Ms Kenyon

Prerequisite: Advanced Art 1 and 2

When Offered: March semester

Classes: Independent study elective

Assessment: Attendance 10%, essay 20%, exhibition assistance 10%. Separate studio assessment for visual research book and final artwork.

Advanced Art units include an advanced use of media, artistic content and design, art theoretical coursework, the production of a visual research book and exhibition. The course's theme will be published prior to enrolment. As the project of the Advanced Art unit changes each year, students may take the unit more than once.

Advanced Art 3 is taken when a different art form is the basis of the project and Advanced Art 1 & 2 have already been completed.

Practical Work:

Art workshop classes

ARTW 6022 Ceramics — Handbuilding 1

3 credit points

Teacher/Coordinator: Mr Jones

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), visual diary/journal (10%), technical development/workshop practice (40%) and final work(s) (40%)

Quota 16 students

Objectives: This unit aims to introduce the many and varied techniques of handbuilding in clay as well as the processes of firing and glazing.

Outcomes: Students should have an understanding of: pinch, slab and coil building techniques; coloured underglaze applications; and bisque and glaze firing applications.

Studio workshop practice is assessed continually as are concept developments with the student's visual diary. Three set projects are assessed on originality of idea and technical proficiency.

The unit involves an exploration of the plastic properties of clay to create a wide variety of constructions that have to be fired and glazed. Set projects will enable students to discover their own means of expression in this versatile medium. Projects include slab construction, coil construction and combinations of coil, slab and pinch construction. Various surface finishes and decorative techniques will also be introduced including brightly coloured underglazes, slips and glazes.

Practical Work:

Art workshop classes

ARTW 6023 Ceramics — Handbuilding 2

3 credit points

Teacher/Coordinator: Mr Jones

Prerequisite: Ceramics — Handbuilding 1

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), visual diary/journal (10%), technical development/workshop practice (40%) and final work(s) (40%)

Quota 16 students

Objectives: The unit aims to expand knowledge and develop technical abilities acquired in Ceramics—Handbuilding 1 and to facilitate more conceptually advanced work.

Outcomes: At the end of the unit students should be able to construct more technically difficult forms than in Ceramics — Handbuilding 1, develop self-initiated projects under the direction of the tutor, and explore varied surface treatments.

Studio workshop practice is assessed continually as are concept developments with the student's visual diary. Six finished works are assessed on originality of idea and technical proficiency.

Emphasis in this course is placed on exploring and developing ideas using more advanced techniques such as working with plaster moulds, tile making, murals, slip casting as well as the usual handbuilding methods. Experimental and personal expression will be encouraged. A wider variety of decorative techniques and firing methods will be introduced and may include pit firing.

Practical Work:

Art workshop classes

ARTW 6024 Ceramics — Wheel Throwing 1

3 credit points

Teacher/Coordinator: Mr Jones

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), visual diary/journal (10%), technical development/workshop practice (40%), final work(s) (40%)

Quota 14 students

Objectives: The aim of the unit is to produce a set of wheel thrown ceramics.

Outcomes: At the end of the unit students should:

- be technically proficient at centring, throwing, turning and applying handles to ceramic vessels;
- have developed colourful designs and glaze applications for a pre-determined breakfast set;
- have a basic understanding of the problems associated with ceramic production; and
- understand firing schedules i.e. bisque and glaze.

Studio workshop practice is assessed continually as are concept developments with the student's visual diary. The finished, produced set is assessed on useability, design, and craftsmanship.

The unit introduces varied techniques of throwing clay on the wheel to produce vessels and domestic items with an emphasis on the art and craft of this age-old speciality. There will be an investigation of this practice on an historical and contemporary level. Various techniques will be introduced including combination throwing and handbuilding, turning, glazing and decorating with slips and glazes.

Practical Work:

Art workshop classes

ARTW 6025 Ceramics — Wheel Throwing 2

3 credit points

Teacher/Coordinator: Mr Jones

Prerequisite: Ceramics — Wheel Throwing 1

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), visual diary/journal (10%), technical development/workshop practice (40%), final work(s) (40%)

Quota 14 students

Objectives: The aim is to produce six individual wheel thrown ceramic works.

Outcomes: At the end of the unit students should:

- be able to combine thrown shapes to achieve forms developed from drawing;
- have an understanding of the differences between earthenware and stoneware ceramics; and
- be able to produce larger forms for utilitarian use.

Studio workshop practice is assessed continually as are concept developments with the student's visual diary. Six finished ceramic works are assessed on design and craftsmanship.

This unit is for students with some experience in wheel throwing. Larger and more advanced forms will be attempted and more involved decorative techniques used. The emphasis will be on technical proficiency with an individual approach to the functional vessel and how it can be used as a base for decorative and sculptural exploration.

Practical Work:

Art workshop classes

ARTW 6026 Works on Paper 1

3 credit points

Teacher/Coordinator: Ms Fieldsend

When Offered: July semester

Classes: Discussion, slides and studio practice

Assessment: Preliminary exercises (20%), work practice (10%), technical development (15%), research and image conception (20%), final works (35%)

Quota 12 students

Objectives: The unit will introduce the skills of screen printing, mono and lino printing, creative use of a photocopier, montage and collage; develop awareness of art history and art theory to inform the student's own approach to image making; explore and develop the imagination and ability to use a wide range of materials; and develop the ability to create, develop and complete a project.

Outcomes: At the end of the unit students should understand the basic principles of screen, mono and lino printing, montage and collage techniques, form and colour. They should have developed a critical approach to image construction; gained an introductory knowledge of historical and contemporary works on paper; and demonstrated an ability to use a wide range of technical skills, critical awareness and imagination to develop and complete finished works on paper.

Preliminary exercises test the students' ability to experiment with techniques and design, and work practice is assessed by the students' approach and attitude to their work and the studio. Research and image conception are assessed by the production of a working journal which is kept throughout the course and by the students' understanding of a critical approach to image construction. Technical development is assessed by the application of skills gained during the course. The final works are a series of small works or 2/3 large works which show a knowledge of technique, design and use of the imagination.

The unit introduces a variety of skills to produce a series of works on paper. These include basic screen, mono and lino printing, creative use of the photocopier, found objects and papers, montage, frottage

and collage. Imaginative and creative skills will be developed in preliminary exercises and finished projects relating to both graphic and fine art applications.

BSc(Arch) Honours

ARCH 4001 Thesis and Research Methods

Teacher/Coordinator: To be determined

When Offered: Year long

Classes: Research and/or coursework

Assessment: Thesis or coursework plus dissertation

Candidates for the honours year may complete requirements in one of the following three ways:

- research and write up of an approved thesis topic;
- undertaking coursework and completing an approved dissertation topic at this university; or
- undertaking one semester of study at an approved Australian or overseas institution and completing an approved dissertation topic at this university.

Bachelor of Architecture

Area: General

Mandatory Units of Study

ARCH 1101 Report

Teacher/Coordinator: To be determined

When Offered: Year long

Assessment: One assignment in the form of a written and illustrated report/extended essay of 5000w, which describes a researched topic.

Objectives: The objectives are to increase a student's experience and knowledge of architectural theories and practices; to provide an opportunity to develop specific personal skills of researching, recording and writing in preparation for full-time architectural practice; and to encourage a personal familiarity with an aspect of architecture within the context of one or more cultural settings.

Outcomes: The student will attain a broader experience and hence knowledge of architecture and its making within various social/cultural contexts, and the ability to do research and to report critically on the findings of an investigation, in the form of discussion and assessment of a topic, to an acceptable major essay standard.

The report is assessed in terms of the extent to which the student has successfully investigated and reported on a specific aspect of architecture and/or the built environment, shows a greater understanding of the context of architecture, and exhibits an ability to write informatively but explicitly.

This unit is viewed as a scholarly activity which is supported by employment, travel, and/or research within the ambit of the built environment. The student is required to choose and investigate a topic to the extent that an informed position on that topic can be described. The investigation will occur in the first year of the BArch degree, whence the student is not required to attend the University, but must research the chosen topic for a substantive portion of that time.

Area: Architectural Design

Mandatory Units of Study

ARCH 2101 Architectural Design 1

16 credit points

Teacher/Coordinator: To be determined

When Offered: Year long

Classes: Studio and lectures

Assessment: Four design projects (each weighted according to its length in weeks). Each project must be attempted and an aggregate of 50% gained to pass the unit. A portfolio containing all projects must be submitted at the end of the unit. Assessments are based on general criteria as well as the specific objectives of each project.

Objectives: Through four design projects, the unit aims to continue the development of thoughtful approaches to architecture; enhance students' fluency in the making of architecture from ideas to the use of sketches, drawings and models to achieve a desired result; encourage a broader consideration of precedent and place, and a thoughtful interpretation of the program to achieve buildings which are expressive and have appropriate character; and integrate technical requirements of construction, structure and services.

Outcomes: Students will:

- have a greater ability to put forward ideas and propositions and will continue to formulate their attitude to architecture;
- be better able to make choices and order priorities in interpreting a program;
- achieve a design which reflects personal understanding and expression;
- develop greater skill in drawing and model making and in the presentation of ideas and intentions;
- have the ability to consult precedent in both works and theories; and
- be able to integrate technical requirements in design.

The unit comprises four design projects which explore various architectural types and settings.

The first project is a small building set in landscape. The search for a suitable appearance and character for the building is carried out through a series of study models and drawings leading to presentation drawings and models.

The second project involves the consideration of a civic building in an urban setting. The relation of the building to its neighbours, the street or corner condition, and the synthesis of its parts into a whole, are the major architectural tasks. The integration of services and the development of structure are part of this project.

The third project is concerned with a group of buildings that make urban spaces between and around them. This group brings in more complex relationships, and issues of planning and appropriate character.

The fourth project develops one of the major spaces in greater detail.

Practical Work:

Studio classes, site visits

ARCH 3101 Architectural Design 2

16 credit points

Teacher/Coordinator: Mr Korzeniewski

Prerequisite: Architectural Design 1

Corequisite: Applications of Technology in Architectural Design

When Offered: Year long

Classes: Studio and lectures

Assessment: Each project submission will be assessed in relation to the objectives of the course and the specific aims of that project. Each

project must be attempted and submitted and the total percentage marks gained must aggregate 50% or more. All final year coursework must be submitted in a portfolio at the end of the course.

Objectives: As this is the final year of the BArch degree this studio unit seeks to provide projects which will enable the student to explore the creative dimensions of Architecture as well as become more concerned with the physical, material and technical dimensions that would enable a project to be realised.

It culminates in a graduation project in which the student is expected to produce designs for a major urban building and to integrate formal, aesthetic and technical considerations in a thoughtfully considered, coherently argued and professionally presented project.

The quality of thought and understanding is expected to be shown in the quality of drawings, models, photographs or other representations; all of which will be exhibited in the graduation exhibition.

Outcomes: It is expected that students will-

- be able to critically interpret the brief, establish alternatives and choices, posit ideas and examine them and consult precedents in the context of each project
- show a willingness and ability to ask questions and to learn from others for the sake of a better work
- be able to make an articulate defence of the choices and decisions made
- show a level of competence in the making of their projects which reflects a preparedness to enter a profession which is difficult, demanding of a high level of motivation skill and integrity.

Practical Work:

Studio classes, site visits

ARCH 3102 Applications of Technology in Architectural Design

6 credit points

Teacher/Coordinator: To be determined

Prerequisite: Building Services Systems, Advanced Construction, Architectural Structures and Materials and Architectural Design 1

Corequisite: Architectural Design II

When Offered: Year long

Classes: Building visits, seminars and studio classes

Assessment: Assignments (80%) and building construction or engineering drawings of the BArch major project (20%)

Objectives: The unit aims to develop knowledge and skills in advanced construction, building service systems, architectural structures, materials and environmental modification.

Outcomes: The expected outcomes are the resolution of construction and structural issues (tectonics) and the integration and coordination of building services and environmental control.

Marking of assignments and the major project is informed by the required outcomes.

The unit involves the considered resolution of construction, structure and materials in relation to the major design project, in short: the tectonic resolution of the design; the application of building service systems; the application of a range of climate modification systems and the strategic consideration of electrical systems, lifts and hydraulic services; and the strategic and detailed consideration of an ecologically sustainable building.

Practical Work:

Studio classes, site visits

Elective Units of Study

ARCH 6063 Master Planning

3 credit points

Teacher/Coordinator: To be determined

When Offered: Contact Faculty

Classes: Contact Faculty

Contact Faculty for details.

ARCH 6066 Building Programming Elective A

3 credit points

When Offered: July semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

ARCH 6013 Architectural Design Elective A

3 credit points

When Offered: July semester

Classes: Independent study elective

This elective enables students to undertake additional design work over the two years of the degree. This may be an individually structured program or, for example, related to an architectural design competition sponsored by a professional institute. In all such cases application must be made for approval, setting out the specific educational objectives of the project, and the program of work proposed.

ARCH 6014 Architectural Design Elective B

5 credit points

When Offered: July semester

Classes: Independent study elective

This elective enables students to undertake additional design work over the two years of the degree. This may be an individually structured program or, for example, related to an architectural design competition sponsored by a professional institute. In all such cases application must be made for approval, setting out the specific educational objectives of the project, and the program of work proposed.

Area: History and Theory of Architecture

Studies in this area are concerned with underlying principles and concepts of architecture. The units presented examine theories, models and parameters for the creation of architecture and the physical outcome of these in built form.

Mandatory Units of Study

ARCH 2102 Theory of Architecture

3 credit points

Teacher/Coordinator: Dr Hill

When Offered: July semester

Classes: Lectures and seminars

Assessment: Three seminars (15% each) and an assignment (55%)

Objectives: The unit aims to encourage familiarity with some of the important theoretical writings about the discipline, to stimulate a questioning approach to theoretical positions in architecture, and to provide opportunities for structured discussion and debate about the fundamental attributes of architecture.

Outcomes: At the conclusion of the unit participants should be able to refer with confidence to the views and arguments of a representative range of important theorists, demonstrate an open-minded, receptive and inquiring position about architectural theories, and show that they have formed some thoughtful ideas about the essential qualities of architecture.

The assessments are based upon the achievement of the students in seminars and written work specifically in relation to the objectives of the course and to the outcomes.

The first part of this unit provides an opportunity to review and reflect on the fundamental and timeless attributes of architecture. A series of questions are raised as a basis for argument. Lectures provide an introduction to various positions and arguments which relate to these questions. Some of the core questions deal with issues of the integrity of structure and form, the nature and expression of materials, environment and context, the relation of moral and political issues to architectural expression, the role of formal themes, and the nature of meaning in architecture.

The second part of the unit explores some issues which are the subject of current debate, and which are also of critical importance to understanding of the nature of architecture.

ARCH 2104 Architecture in the Twentieth Century

5 credit points

Teacher/Coordinator: Assoc Prof Taylor

When Offered: July semester

Classes: Lectures and seminars

Assessment: Two short in-class tests on the mandatory readings (20%), and a 2500-3000w essay (80%)

Objectives: The unit presents selected topics on major issues addressed in architecture in the early Modern Movement and during the second half of the twentieth century. It aims to explain the rationale behind the evolution of the theoretical and formal aspects of modern architecture and some of the various strands that characterise the search for a relevant architecture today.

Outcomes: It is intended that students will:

- have knowledge and insight into the evolution of architectural thought and built form during the twentieth century;
- be able to enter into informed and critical debate on architectural issues;
- be in a sound position to place their own work in the context of historical architectural development;
- be able to assess the value and relevance of the contemporary work of others as it relates to their own endeavour; and
- be culturally educated individuals, well-informed and confident in determining their own stance regarding value in architectural ideology and performance.

The tests and the essay are designed to indicate the extent to which the student can both discourse on, and apply knowledge of, this history to their own and others' architectural works.

The unit is presented in two parts. The first part covers the emergence of modern architecture in Europe and America, and the development of the ideas and proposals arrived at through the heroic phase of the 1920s and 1930s. The second part looks at the dominance of modern architecture following the Second World War and the early critiques. This is followed by an analysis of the emergence of postmodern thought and the various directions being pursued to find viable and meaningful designs for the current period.

Elective Units of Study

ARCH 6053 Architecture, Poststructuralism & Contemporary Thought

3 credit points

Teacher/Coordinator: To be determined

When Offered: Check with department

Classes: Lectures

Assessment: Essay

Objectives: To show the close relationship of philosophical thinking and architecture, with special reference to the way in which the ideas which have prevailed since the Enlightenment have been reflected in architectural forms and in attitudes towards architectural practice; and to show how these perspectives are now being subjected to an intense scrutiny which is transforming some of our fundamental understandings of architecture. The course is intended to introduce, in broad outlines, some of the main themes of contemporary thought, and to show their relevance to architectural theory and practice.

Outcomes: It is expected that at the end of the unit students will have an introductory knowledge of the manner in which architecture relates to ideas, and that students will have some familiarity with the more important themes in contemporary thinking.

The assessment will be based on an essay in which students will be expected to indicate the implications for architectural theory and practice of some aspect of contemporary thought.

The unit looks at the foundations of the modern outlook in the philosophies of Plato and the Enlightenment thinkers, and traces these influences through to Structuralism. It then proceeds to describe the contemporary critique of these ideas, concentrating on the thinking of the Poststructuralists, the Postmodern philosophers of science, and hermeneutic philosophy. In each case the implications for architecture will be spelt out.

ARCH 6054 History and Theory Group Research Project

5 credit points

Teacher/Coordinator: Assoc Prof Taylor

When Offered: Check with department

Classes: Depends on the nature of the project

Assessment: As appropriate to the specific project

Objectives: The unit aims to encourage group research activity, to familiarise students with research disciplines and methods, and to advance knowledge and scholarship.

Outcomes: These will be related to the specific project.

The group research project will be initiated by various members of staff and will be concerned with areas of investigation in pertinent historical enquiry and critical theoretical studies. The content, method and practical aims of the research will depend on the nature of the enquiry. Details of the specific programs for each year will be made available prior to enrolment. A series of public lectures will be held in relation to the project.

ARCH 6051 History of Eastern Architecture

3 credit points

See the BSc(Arch) section for unit of study description.

ARCH 6049 History of Urban Design pre 1800

3 credit points

Teacher/Coordinator: To be determined

When Offered: Check with department

Classes: Lectures

See the BSc(Arch) section for unit description.

ARCH 6050 History of Urban Design post 1800
3 credit points

Teacher/Coordinator: To be determined

When Offered: Check with department

Classes: Lectures

See the BSc(Arch) section for unit description.

ARCH 6030 Renaissance to Baroque Architecture in Italy
3 credit points

Teacher/Coordinator: Mr Korzeniewski

When Offered: Check with department

Classes: Lectures and tutorials

See the BSc(Arch) section for unit description.

ARCH 6052 Seminars on Contemporary Architecture
3 credit points

Teacher/Coordinator: Assoc Prof Taylor

Prerequisite: Architecture in the Twentieth Century (or corequisite)

When Offered: Check with department

Classes: Seminars

Assessment: Class participation, weekly readings, seminar presentation, bibliography on seminar topic, and a critically developed paper on seminar topic and full bibliography

Objectives: The unit will provide a forum for discussion of current issues in architecture; encourage and foster critical thought and analysis; encourage informed and critical debate; investigate the rationale behind some considerations within the various complex strands that characterise the search for a relevant architecture today; encourage and assist students in undertaking research and enquiry; and provide experience in presenting ideas and research findings in a seminar.

Outcomes: At the end of the unit students should be familiar with the literature and works associated with the topic, be more highly skilled in research techniques and presentation, and have been exposed to a critical method of analysis and appreciation.

The specific areas of investigation will vary but they will be issues of concern pertinent to contemporary architecture.

ARCH 6055 Special Topics in Architectural History and Theory A
3 credit points

When Offered: Check with department

See the BSc(Arch) section for unit description.

ARCH 6057 Theatre Design and History
3 credit points

Teacher/Coordinator: Assoc Prof Thome

When Offered: Check with department

Classes: Lectures, seminars and site visits

See the BSc(Arch) section for unit description.

Area: Building Technology and Economics

Units in this area deal with the construction of non-domestic scale buildings and are designed to acquaint students with the theory and practice of current building materials and techniques. The mandatory core unit is Advanced Construction. The other units enable students to develop an understanding of the economics of construction, the building industry, and to pursue particular subjects in depth.

Mandatory Units of Study

ARCH 2103 Advanced Construction
5 credit points

Teacher/Coordinator: To be determined

When Offered: Year long

Classes: Lectures, tutorials and site visits

Assessment: Three assignments. Two are linked to design projects and have two parts — the first explores issues and options arising from five performance criteria and the impact of the Building Code of Australia; the second shows and explains initial design and construction decisions, including responses to the BCA. The third requires a number of drawings of construction layouts and details of the finalised design

Objectives: The unit aims to:

- examine the construction of the primary elements of the fabric of large buildings;
- further develop the principles of the performance of structure, materials and construction;
- develop the application of the requirements of the B C A and relevant Australia Standards;
- develop the primacy of detailing, skills in accurate drafting for contract documents, and the design principles of advanced construction materials in relation to structural and environmental concerns.

Outcomes: On successful completion of this unit students will have a working knowledge of construction methods for large/complex buildings; a decision making ability for the selection of materials, detailing of assemblies, and their relation to other parts of a building; and a working knowledge of the BCA for large buildings, the relationships between construction detailing and structural and environmental concerns, and the production of construction details for contract documents.

Each assignment is structured to exercise the learning and develop the ability of each student for one or more of the above outcomes within the context of large buildings.

The unit covers the essential design elements and controls for construction design issues; buildability; programming and equipment; building elements, foundations and basements; cores, frames and floors; external walls; roofs; internal walls and ceilings.

Practical Work:

Site visits

Elective Units of Study

ARCH 6022 Cost Planning and Control
3 credit points

Teacher/Coordinator: Dr Holland

When Offered: Check with department

Classes: Lectures

See the BSc(Arch) section for unit of study description.

ARCH 6043 Materials and Methods
5 credit points

Teacher/Coordinator: Dr Holland

When Offered: Check with department

Classes: Lectures, tutorials and site visits

See the BSc(Arch) section for unit of study description.

ARCH 6009 The Building Industry in Australia
3 credit points

Teacher/Coordinator: Dr Holland

When Offered: Check with department

Classes: Lectures, seminars and site visits

See the BSc(Arch) section for unit of study description.

ARCH 6034 Technology and Economics Elective A

3 credit points

When Offered: July semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

Area: Building Services and Environmental Controls

This area covers the use of mechanical and electrical services systems in buildings, and aspects of building science relating to heat, light, sound and the natural environment. It includes the effect of wind, sun and fire on the building and its surroundings, building acoustics, security systems and conventional and alternative energy systems including energy-conservative design.

The units of study in this area are based on the assumption that a student has completed the mandatory courses in the BSc(Arch). The mandatory courses in this area are intended to provide a minimum level of familiarity with and practice in the use of the services systems most commonly encountered in building design. The specific and general elective units are intended to allow study in more depth of particular aspects.

Mandatory Units of Study

DESC 2101 Building Services Systems

3 credit points

Teacher/Coordinator: To be determined

When Offered: Year long

Classes: Lectures, tutorials and site visits

Assessment: Two assignments in conjunction with design projects (25%, 50%), report on building under construction (25%)

Objectives: To provide students with sufficient knowledge of the principles of operation of the various services systems in buildings of larger than domestic scale in order to be able to contribute competently to the decisions that have to be made about these systems, and to be aware of the implications of these decisions upon building design.

Outcomes: At the completion of this unit the student is expected to:

- understand the principles involved in the functioning of the systems (these principles should remain relevant in the future even if the technology changes);
- know about the technology currently available, and understand the issues involved in deciding between competing solutions (not necessarily to make a final choice, but to contribute competently to a discussion about that choice); and
- be aware of the implications the system has on the planning of the building. This usually means the space occupied, the need for access for maintenance, and the effect on floors below and above. In the case of lifts, escalators and stairs, the pedestrian traffic patterns created should be considered.

Topics covered include: strategic planning for services; air conditioning and ventilating systems; lifts and escalators; hydraulics systems; fire services; electrical services, lighting, security systems.

Practical Work:

Site visits

Elective Units of Study

DESC 6009 Energy-Conservative Architectural Design

3 credit points

Teacher/Coordinator: Mr Forwood

When Offered: Check with Department

Classes: Lectures and seminars

Assessment: Assignment (100%)

Objectives: This unit will explore the form-making and space-making potential of energy and environmental issues in architectural design to locate the issues of 'sustainability' and 'environmental quality' within contemporary architectural design paradigms.

Outcomes: At the conclusion of this unit each student is expected to (1) have explored the form-making and space-making potential of low-energy design principles by critically examining relevant contemporary and historical architecture; (2) understand the influence of modern architectural theory in forming contemporary attitudes to technology and environmental issues in modern architecture; and (3) be able to develop a definable position on the relevance of 'sustainability' in contemporary architectural design practice.

The assignment and associated seminars provide the opportunity for students to elucidate their views and critically examine contemporary buildings in relation to the principles of sustainability.

The unit begins by examining the status of energy and environmental issues in contemporary architectural discourse, then develops the hypothesis that these and the related issue of 'sustainability' will remain peripheral to this discourse until they form part of an architectural design paradigm. The second part of the course explores how this paradigm may be developed by examining the form and space-making potential of these issues in a series of critical analyses of contemporary buildings.

DESC 6010 Building Services Elective A

3 credit points

When Offered: March semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

Area: Architectural Structures and Materials

This area deals with the selection of structural form, and its relationship to the design of buildings; and the selection and appropriate use of building materials, their performance, and their effect upon the performance of the building.

Most of the units in the area relate to buildings of larger than domestic scale; structural systems and materials for small buildings having been dealt with in the BSc(Arch) degree.

Mandatory Units of Study

DESC 2102 Architectural Structures and Materials

5 credit points

Teacher/Coordinator: Dr Gunaratnam

When Offered: Year long

Classes: Lectures, tutorials and site visits

Assessment: Two design projects (30% each), two case studies (10% each) and a study of a building under construction (20%)

Objectives:

- To introduce students to the different structural and foundation systems available for advanced structures;
- to explore structural design issues and strategies for synthesising these structures;
- to provide design information for the synthesis and selection of appropriate structural systems within the context of a building design;
- to introduce students to approximate behavioural models for understanding and predicting the behaviour of these structures;
- to familiarise students with the properties, processes and applications of materials such as glass, concrete and polymers; and
- to introduce students to the different factors influencing corrosion in materials, particularly in metals, and methods of controlling corrosion in buildings.

Outcomes: At the completion of this unit each student is expected to:

- be familiar with the different structural strategies used in the synthesis of wide-span and tall building structures;
- be familiar with the different structural and foundation systems available, for wide-span and tall buildings, and the context in which they are used;
- be able to collect appropriate information and formulate the structural design requirements for wide-span and tall building structures;
- be able to generate and evaluate a number of alternative structural systems that satisfy the design requirements;
- be able to select suitable design parameters for the structural system using available design information, and to extract appropriate behavioural models for the approximate sizing of some of the major elements in the system;
- have an appreciation of the relationships between design parameters, structural form, structural efficiency and cost; and
- be cognisant of the properties, production methods and architectural applications of materials such as glass, concrete, polymers, sealants and metal, and be able to use this information for making decisions relating to material selection and use.

The above unit outcomes provide the basis for the different assessment tasks.

The unit focuses on structural design issues applicable to advanced structures that fall within the categories of wide-span and tall building structures, and provides the knowledge required for their synthesis and preliminary design. It provides experience in making structural decisions within the context of building designs that exploit these classes of structures. It also provides information on the properties, processes and applications of a selected group of building materials.

Practical Work:

Site visits

Elective Units of Study

ARCH 6007 Object Design and Construction

3 credit points

Teacher/Coordinator: Dr Lamb

When Offered: March semester

Classes: Tutorials and workshops

See the BSc(Arch) section for unit description.

ARCH 6036 Workshop Technology — Timber

3 credit points

Teacher/Coordinator: Dr Lamb

When Offered: July semester

Classes: Workshop maximum number of students is 14

Assessment: One assignment

See the BSc(Arch) section for unit description.

ARCH 6045 Architectural Structures and Materials Elective A

3 credit points

When Offered: March semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

Area: Management

This area deals with the legal and management aspects of office and project organisation, including relationships with the community, authorities, clients, consultants, contractors and suppliers.

Units of study are presented on the assumption that a student has completed a course related to the law and professional practice in the BSc(Arch) degree, or elsewhere.

The mandatory units in this area provide a basic level of familiarity with the ethics of professional practice, systems for implementing processes, and recognised contract procedures available within the construction industry. They also provide instruction on approaches to documentation and the preparation of contract documents, and include contract drawings, specification and preliminary estimates of simple buildings. Other courses are provided to allow study in depth of areas of concern to the student of management.

Mandatory Units of Study

ARCH 2105 Contract Documentation

5 credit points

Teacher/Coordinator: To be determined

When Offered: March semester

Classes: Lectures, seminars and studio-based instruction

Assessment: Set of working drawings (40%), a series of specifications and costs and alhr documentation-related law quiz (60%)

Objectives: The unit aims to provide information about, and skills in the production of, working drawings, specifications, and estimates to represent a set of contract documents for the architectural work of a small building.

Outcomes: Each student will be competent to produce a set of working drawings, a set of specifications, and an estimate for the architectural components of a small building.

The submitted drawings are assessed for the degree to which there is a correct use of conventions, dimensions, identification of parts, referencing, draughtsmanship, clarity, and set-out, and the specifications cover the essential elements of such a document, such that clients, authorities, other consultants, bidders and sub-contractors can understand what is required to be built.

This unit provides instruction in the making of contract drawings, the writing of specifications, and the estimating of probable costs. These tasks also provide the basis for relating information on trades, schedules and finance; the form and purpose of such documents for all parties to the construction of a building; the place of contract documents in contracts and contractual processes; the relationship between contract documents and relevant law and the implications of non-performance; preparation for undertaking technical drawings for more complex buildings in the final year of the B Arch; and a context for understanding the full examination of contracts in the course Professional Practice.

ARCH 3103 Professional Practice

6 credit points

Teacher/Coordinator: Mr Taylor

Prerequisite: Contract Documentation

When Offered: Year long

Classes: Lectures and seminars

Assessment: This is done by a series of exercises. In first semester, students work individually to produce four letters or opinions on copyright, conditions of engagement, and engagement of consultants, plus a calculation of hourly and charge-out rates for a small office. In second semester, students work in pairs to present seminar papers on 2 of 16 topics in Conditions of Contract, and two papers solving two case studies of professional practice

Objectives: This unit provides information on professional practices in architecture as it applies to the responsibilities of architects to clients, other professionals and builders, and to contract administration practices within the construction industry including traditional and alternative procurement methods for buildings.

Outcomes: Students are expected to demonstrate a knowledge of an architect's responsibilities, the ways in which architectural practices are involved in the implementation of contract administration, and contract procedures available within the building industry.

The assignments in first semester indicate the degree to which the student has appreciated the architects' responsibilities to themselves, to the work required and to other persons involved in a project. The assignments in second semester allow the student to demonstrate a knowledge of the links between contracts, their administration, the professionals' responsibilities to both, and of the relationship between contracts, their administration, and how both can impact on the design and construct phases of a project.

The unit informs on the following: the regulation of the architectural profession and the building industry; roles of consultants and their selection, engagement, coordination and responsibilities; modes of practice; conditions of engagement for architects; fee structures; meeting procedures for clients, site and authority investigations; pre-contract management; contract selection and administration; alternate building procurement methods; and the relationship of all of the above in completing a building project.

Elective Units of Study

ARCH 6060 Management Elective A

3 credit points

When Offered: July semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

Area: Design Computing

The current transition from traditional media for design, documentation and communication to computer-based media is changing the processes of design and construction. These innovations are occurring at a rapid rate and are imposing increasing pressures on design professionals. The units in this area explore the placement, management and use of computers in design offices as well as some techniques of computing. The representation of design knowledge in computers (knowledge engineering) is also explored. In addition, higher level postgraduate units in this area may, with permission, be taken by BArch students.

Elective Units of Study

DESC 6001 Computer-Based Design

3 credit points

Teacher/Coordinator: Prof Maher

When Offered: July semester

Classes: Lecture/demonstration

Assessment: Design project

See the BSc(Arch) section for unit of study description.

DESC 6002 Understanding Design

3 credit points

Teacher/Coordinator: Dr Rosenman

When Offered: Check with department

Classes: Lectures

Assessment: Three essays (two worth 25% each and one essay worth 50%)

See under BSc(Arch) section for unit description.

DESC 6003 Design Computing Elective A

3 credit points

When Offered: March semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty Office.

Area: Social Context of Design and the Built Environment

This area draws on a number of disciplines and includes the study of: environmental perception and cognition; socio-spatial related behaviour; means of articulating environmental needs including consultation and participation; the socio-economic, political, legislative and (cross-) cultural considerations influencing the form of habitats with an emphasis on Australian cities; and the interface between the design professions and society, including the ethics and responsibilities of the design professional.

Elective Units of Study

DESC 6012 Colour Design

5 credit points

See the BSc(Arch) section for unit of study description.

ARCH 6027 Cross-Cultural Approaches to Architecture and Planning

3 credit points

See the BSc(Arch) section for unit of study description.

ARCH 6010 Design and Consultation

3 credit points

Teacher/Coordinator: Assoc Prof Rubbo

When Offered: Check with department

Classes: Seminars

Assessment: Class presentation and participation (50%); 2500 word essay or field work project (50%)

See the BSc(Arch) section for unit of study description.

DESC 6013 Knowledge Structures in Design

5 credit points

Teacher/Coordinator: Assoc Prof Purcell

When Offered: Check with department

Classes: Lectures and research project

Assessment: Lectures and research project

See the BSc(Arch) section for unit of study description.

ARCH 6008 Urban Conservation Planning

3 credit points

Teacher/Coordinator: To be determined

When Offered: Check with department

Classes: Lectures and videos

Assessment: Position paper, seminar and discussion

See the BSc(Arch) section for unit of study description.

ARCH 6011 Social Context Elective A

3 credit points

When Offered: Contact Faculty.

Classes: Independent study elective

Contact Faculty for details.

Area: Conservation

Elective Units of Study

ARCH 6020 Conservation of the Built Environment

3 credit points

Teacher/Coordinator: Mr Howells

When Offered: Check with department

Classes: Lectures and site visits

Assessment: One assignment — statement of cultural significance in accordance with the methodology of J.S. Kerr's Conservation Plan

Objectives: Students will develop practical, applicable professional skills in the methodology and practice of architectural conservation in Australia. They will demonstrate an understanding of the Australia ICOMOS Burra Charter and J.S. Kerr's Conservation Plan and apply this knowledge in preparing Statements of Cultural Significance of selected buildings and/or structures. Current theoretical and philosophical approaches to architectural conservation in Australia will be studied.

Outcomes: At the end of the unit students will demonstrate an understanding of the Burra Charter and J.S. Kerr's Conservation Plan and be able to apply this knowledge in preparing Statements of Cultural Significance. They will demonstrate skill in methods and techniques of analysis, assessment and documentation of cultural significance, and historical research skills and their application to architectural conservation.

The intended outcomes are achieved through inquiry, individual study and research demonstrated by each student by the successful completion of set assignments. The written assignment assesses the students' understanding of the principles and methodology for the determination of cultural significance of a selected place of importance and allows them to demonstrate their skills of assessment, analysis and documentation of a selected place consistent with the given methodology. Assessment criteria based on the course outcomes are used for the examination of the work.

The unit will consider material from each of the following areas: survey and documentation methods (historic and archival research methods, thematic history methods, pattern recognition, aesthetic analysis; material and stylistic analysis); evaluation methods (criterion, typology and threshold-based systems, statements of significance; hybrid

methods with both classification and conservation action goals); assessment methods (relating dynamic processes to identified patterns of cultural values; describing, assigning priority, and justifying values worthy of conservation practice); conservation action (conservation and management plans, orders and agreements).

Practical Work:

Site visits

Area: Advanced Study

Students are encouraged to prepare a report based upon in-depth study in a specialised area, normally during the third year of the degree. This may be either an individual study program, or be taken concurrently with the Conservation of the Built Environment course.

This work provides an opportunity for training in research, analysis and documentation of material in a systematic academic format. Advanced Study Reports do not in themselves consist of architectural design work or art work, but may be very closely related to and supportive of the process of design and production of the works of art. Successful completion of an Advanced Study Report is a prerequisite to the award of an honours degree.

Prior to enrolment, students should discuss a potential topic with a member of staff and obtain their agreement to supervise the study. Students may be asked to present seminars on their work to the staff and students of the Faculty. The report will be assessed by two examiners. Only one unit of Advanced Study may be taken in any year.

Elective Units of Study

ARCH 6068 Preparatory Advanced Study Report Elective

3 credit points

Teacher/Coordinator: Assoc Prof Taylor

When Offered: July semester

Classes: Seminars

Assessment: Option 1: A developed research proposal that provides a referenced discussion of the literature (for students who wish to continue and complete an ASR the following year)

Option 2: An essay that is a critical analysis of the literature studies (for students who do not wish to continue with an ASR)

Objectives: The unit aims to equip students with the research and writing skills needed to prepare an Advanced Study Report or similar research-oriented documents. It will provide an introductory overview of basic research techniques; basic methodological skills; information search, storage and retrieval techniques; organisation and writing skills for completing a research document.

Outcomes: At the completion of the unit students will be expected to have acquired the skills necessary for the successful completion of an Advanced Study Report or equivalent research document.

The unit is divided into two parts. The first will cover the following basic issues that are involved in an ASR: deciding on a research topic; searching for information; managing a research project; writing a research proposal. The second part will involve each participant working with his or her supervisor to produce a research proposal or an essay.

ARCH 6028 Advanced Study Report 1

10 credit points

Teacher/Coordinator: Assoc Prof Taylor

Prerequisite: Preparatory Advanced Study Report Elective

When Offered: March semester

Compulsory course for BArch Hons

For unit of study description see Advanced Study Report 2.

ARCH 6029 Advanced Study Report 2

10 credit points

Teacher/Coordinator: Assoc Prof Taylor

Prerequisite: Preparatory Advanced Study Report Elective

When Offered: March semester

Compulsory unit for BArch Hons

Objectives: The Advanced Study Report allows the candidate to explore and research an area of architectural study in some depth, by private study under the direction of a supervisor, and to produce a document reporting the study. The objectives of the course are to enable the candidate to learn about research methods and to experience the production of a research report, and to explore an area relevant to the study of architecture, in greater depth and at a more advanced level than is possible within the mandatory courses or other electives.

Outcomes: At the completion of the year, the candidate is expected to be able to:

- develop a program of research from the initial proposal, using an examination of the literature, and develop a research methodology;
- carry out the research methodology, modifying it in the light of findings as it proceeds;
- draw conclusions from the research, and relate those conclusions to the original proposition; and
- write up and produce a formal research report, in appropriate language, and with proper referencing.

Because each candidate selects a topic, there is no specific subject content for the unit. Within the prerequisite subject, which is normally taken in the year preceding the Advanced Study Report, the candidate is required to select an area of study, and negotiate with an appropriate staff member to become supervisor for the Advanced Study Report. In consultation with the supervisor a research proposal is developed which provides a referenced discussion of the literature. In this course the candidate is then expected to further develop the methodology for researching the proposed topic, carry out the investigation and modify the methodology as necessary, and finally write up the results in the appropriate form.

ARCH 6021 Advanced Study Report (Conservation and Restoration)

10 credit points

Teacher/Coordinator: Mr Howells

Prerequisite: Conservation of the Built Environment

When Offered: March semester

Classes: Lectures, tutorials and site visits

Objectives: The unit is intended to introduce students to the philosophies and accepted professional standards of practice of the conservation of the built environment in Australia.

Outcomes: Students will demonstrate skills in historical research, documentary recording techniques, the analysis and interpretation of the physical fabric, the assessment of cultural significance and the formulation of sound conservation policies and programs.

The form of presentation will conform to J.S. Kerr's Conservation Plan and embody the principles of the Australia ICOMOS Buna Charter.

The unit will include specialist lectures, seminars, numerous site visits, excursions and tutorials.

ARCH 6070 Advanced Elective 1

3 credit points

Teacher/Coordinator: Check with department

When Offered: Check with department

See department for available study units and descriptions.

ARCH 6071 Advanced Elective 2

3 credit points

Teacher/Coordinator: Check with department

When Offered: Check with department

See department for available study units and descriptions.

ARCH 6072 Advanced Elective 1

5 credit points

Teacher/Coordinator: Check with department

When Offered: Check with department

See department for available study units and descriptions.

ARCH 6073 Advanced Elective 2

5 credit points

Teacher/Coordinator: Check with department

When Offered: Check with department

See department for available study units and descriptions.

DESC 6020 Advanced Elective 1

3 credit points

Teacher/Coordinator: Check with department

When Offered: Check with department

See department for available study units and descriptions.

DESC 6021 Advanced Elective 2

3 credit points

Teacher/Coordinator: Check with department

When Offered: Check with department

See department for available study units and descriptions.

DESC 6022 Advanced Elective 1

5 credit points

Teacher/Coordinator: Check with department

When Offered: Check with department

See department for available study units and descriptions.

DESC 6023 Advanced Elective 2

5 credit points

Teacher/Coordinator: Check with department

When Offered: Check with department

See department for available study units and descriptions.

Area: Art Workshop

The ability to explore and express ideas through visual media is extremely important for architects who must be able to communicate in two and three dimensions, detailed and precise plans about properties, objects and processes, as well as general concepts and ideas.

The units offered by the Art Workshop provide students with the opportunity to expand their abilities by acquiring specific art media skills invaluable for their development into professional architects. Art Workshop courses also enable students to refine their understanding, through first-hand experience in a variety of art media, of the continuing and productive relationship between architecture and art.

Elective Units of Study

ARTW 6001 Drawing 1

3 credit points

Teacher/Coordinator: Mr Levitus, Ms Kenyan

When Offered: July semester

Classes: Studio work, slide lectures and gallery visits

Assessment: Attendance (10%), studio skills and technique (20%), studio work (20%), portfolio and completed projects (50%)

See the BSc(Arch) section for unit of study description.

ARTW 6002 Drawing 2**3 credit points****Teacher/Coordinator:** Mr Leviths**When Offered:** July semester**Classes:** Practical studio work**Assessment:** Workshop practice (50%) and portfolio of works (50%)

See the BSc(Arch) section for unit of study description.

ARTW 6003 Set Design 1**3 credit points****Teacher/Coordinator:** Ms Kenyon**When Offered:** July semester**Classes:** Practical studio work and site visits

See the BSc(Arch) section for unit of study description.

ARTW 6004 Etching 1**3 credit points****Teacher/Coordinator:** Ms Martin**When Offered:** July semester**Classes:** Practical studio work**Assessment:** Attendance (10%), class participation (10%), studio skills and technique (30%), final project (50%)

See the BSc(Arch) section for unit of study description.

ARTW 6005 Graphic Design 1**3 credit points****Teacher/Coordinator:** Ms Clerk**When Offered:** July semester**Classes:** Practical studio work**Assessment:** Participation (10%), class projects (30%), analysis of examples (20%), major project (40%)

See the BSc(Arch) section for unit of study description.

ARTW 6006 Painting 1**3 credit points****Teacher/Coordinator:** Mr Levitus**When Offered:** July semester**Classes:** Practical studio work**Assessment:** Attendance (10%), studio skills and techniques (20%), studio work (20%), portfolio and completed projects (50%)

See the BSc(Arch) section for unit of study description.

ARTW 6007 Painting 2**3 credit points****Teacher/Coordinator:** Mr Littler**Prerequisite:** Painting 1**When Offered:** July semester**Classes:** March or July semester**Assessment:** Attendance (10%), studio skills and technique (20%), special projects and finished work (70%)

See the BSc(Arch) section for unit of study description.

ARTW 6008 Photography 1**3 credit points****Teacher/Coordinator:** Mr Ross**When Offered:** July semester**Classes:** Practical studio or outdoor work**Assessment:** Application of skill to assignments (50%), final work (50%)

See the BSc(Arch) section for unit of study description.

ARTW 6009 Photography 2**3 credit points****Teacher/Coordinator:** Ms Talbert**Prerequisite:** Photography 1**When Offered:** July semester**Classes:** Practical studio and outdoor work**Assessment:** Attendance and studio practice (20%), technical development (20%), final work(s) (60%)

See the BSc(Arch) section for unit of study description.

ARTW 6010 Screen Printing — Paper 1**3 credit points****Teacher/Coordinator:** Ms Fieldsend**When Offered:** July semester**Classes:** Practical studio work**Assessment:** Design exercises (20%), attendance (10%), workshop practice (10%), research journal/image conception (20%), technical development (10%), final work (30%)

See the BSc(Arch) section for unit of study description.

ARTW 6011 Screen Printing — Paper 2**3 credit points****Teacher/Coordinator:** Ms Fieldsend**Prerequisite:** Screen Printing — Paper 1**When Offered:** July semester**Classes:** Practical studio work**Assessment:** Design exercises (20%), attendance (10%), workshop practice (10%), research journal/image conception (20%), technical development (10%), final work (30%)

See the BSc(Arch) section for unit of study description.

ARTW 6012 Screen Printing — Fabric 1**3 credit points****Teacher/Coordinator:** Ms Fieldsend**When Offered:** July semester**Classes:** Practical studio work**Assessment:** Attendance (10%), workshop practice (10%), working journal (20%), technical development (15%) and final work (45%)

See the BSc(Arch) section for unit of study description.

ARTW 6013 Sculpture 1**3 credit points****Teacher/Coordinator:** Mr Purhonen**When Offered:** July semester**Classes:** Group demonstration and discussion, individual tuition and practical studio work**Assessment:** Two projects (50% each)

See the BSc(Arch) section for unit of study description.

ARTW 6014 Sculpture 2**3 credit points****Teacher/Coordinator:** Mr Purhonen**When Offered:** July semester**Classes:** Group demonstration and discussion, individual tuition and practical studio work**Assessment:** Two projects (50% each)

See the BSc(Arch) section for unit of study description.

ARTW 6015 Film/Video 1

3 credit points

Teacher/Coordinator: Mr Benedek

When Offered: July semester

Classes: Practical studio and outdoor work

Assessment: Attendance (10%), class participation (20%), synopsis (10%), storyboard (10%), and final project (50%)

See the BSc(Arch) section for unit of study description.

ARTW 6016 Art Elective 1

3 credit points

Teacher/Coordinator: Ms Kenyon

When Offered: July semester

Classes: Independent study elective

Assessment: Attendance (in consultation with lecturer) 10%, studio skills and techniques 20%, self-directed project measured against aims and objectives of the student 70%.

See the BSc(Arch) section for unit of study description.

ARTW 6017 Art Elective 2

3 credit points

Teacher/Coordinator: Ms Kenyon

When Offered: July semester

Classes: Independent study elective

Assessment: Attendance (in consultation with lecturer) 10%, studio skills and techniques 20%, self-directed project measured against aims and objectives of the student 70%.

See the BSc(Arch) section for unit of study description.

ARTW 6018 Art Elective 3

3 credit points

Teacher/Coordinator: Ms Kenyon

When Offered: July semester

Classes: Independent study elective

Assessment: Attendance (in consultation with lecturer) 10%, studio skills and techniques 20%, self-directed project measured against aims and objectives of the student 70%.

See the BSc(Arch) section for unit of study description.

ARTW 6019 Advanced Art 1

6 credit points

Teacher/Coordinator: Ms Kenyon

When Offered: March semester

Classes: Independent study elective

Assessment: Attendance 10%, essay 20%, exhibition assistance 10%. Separate studio assessment for visual research book and final artwork.

See the BSc(Arch) section for unit of study description.

Practical Work:

Art workshop classes

ARTW 6020 Advanced Art 2

6 credit points

Teacher/Coordinator: Ms Kenyon

Prerequisite: Advanced Art 1

When Offered: March semester

Classes: Independent study elective

Assessment: Attendance 10%, essay 20%, exhibition assistance 10%. Separate studio assessment for visual research book and final artwork.

See the BSc(Arch) section for unit of study description.

Practical Work:

Art workshop classes

ARTW 6021 Advanced Art 3

6 credit points

Teacher/Coordinator: Ms Kenyon

Prerequisite: Advanced Art 1 and 2

When Offered: March semester

Classes: Independent study elective

Assessment: Attendance 10%, essay 20%, exhibition assistance 10%. Separate studio assessment for visual research book and final artwork.

See the BSc(Arch) section for unit of study description.

Practical Work:

Art workshop classes

ARTW 6022 Ceramics — Handbuilding 1

3 credit points

Teacher/Coordinator: Mr Jones

When Offered: July semester

Classes: Practical Studio Work

Assessment: Attendance (10%), visual diary/journal (10%), technical development/workshop practice (40%) and final work(s) (40%)

See the BSc(Arch) section for unit of study description.

ARTW 6023 Ceramics — Handbuilding 2

3 credit points

Teacher/Coordinator: Mr Jones

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), visual diary/journal (10%), technical development/workshop practice (40%) and final work(s) (40%)

See the BSc(Arch) section for unit of study description.

ARTW 6024 Ceramics — Wheel Throwing 1

3 credit points

Teacher/Coordinator: Mr Jones

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), visual diary/journal (10%), technical development/workshop practice (40%), final work(s) (40%)

See the BSc(Arch) section for unit of study description.

ARTW 6025 Ceramics — Wheel Throwing 2

3 credit points

Teacher/Coordinator: Mr Jones

When Offered: July semester

Classes: Practical studio work

Assessment: Attendance (10%), visual diary/journal (10%), technical development/workshop practice (40%), final work(s) (40%)

See the BSc(Arch) section for unit of study description.

ARTW 6026 Works on Paper

3 credit points

Teacher/Coordinator: Ms Fieldsend

When Offered: July semester

Classes: Discussion, slides and studio practice

Assessment: Preliminary exercises (20%), work practice (10%), technical development (15%), research and image conception (20%), final works (35%)

See the BSc(Arch) section for unit of study description.

Area: Urban and Regional Planning

The theory and practice of town planning is of very considerable interest and relevance to practitioners of architecture. Whilst planning professionals are involved with a wide range of issues and policies relating to problems sometimes at a national and regional level, and many of them without specific spatial implications, there are nevertheless important areas which are the common concern of both planners and architects.

Elective Units of Study

PLAN 6001 Planning and Architecture

3 credit points

Teacher/Coordinator: Staff of the Department of Urban and Regional Planning

When Offered: Check with Department

Classes: Lectures

Assessment: Assignments

This unit will explore the impact of current planning philosophies and planning practice on building development and design in New South Wales. The first part of the course will outline contemporary planning issues and literature, while the second part will focus on the specific role and operations of planning and related authorities. The learning mode will emphasise seminars and assessment will be by case studies and assignment.

PLAN 6002 Urban and Regional Planning Elective

3 credit points

When Offered: March semester

Classes: Independent study elective

For this unit students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty office.

Area: Landscape Studies

The professions of architecture and landscape architecture have much in common. Increasing numbers of design projects, where both professions work together, are being undertaken in urban, rural and natural locations.

A basic knowledge of the theory and practice of landscape design, an understanding of the major elements of the landscape and how these can be manipulated in design, together with an appreciation of how and why buildings and their surroundings should be designed as a totality and not as separate entities, is an important part of architectural education.

Refer also to the History and Theory of Architecture area for units covering the History of Landscape Architecture.

Independent Study Elective

ARCH 6039 Landscape Studies Elective A

3 credit points

Teacher/Coordinator: To be advised

When Offered: To be advised

For this unit of study students are able, by means of private study and research, to explore in depth a selected topic. In the first instance students should obtain written approval of their proposed study from a lecturer in the area concerned. This approval should then be handed to the Faculty office.

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
Bachelor of Science (Architecture)					
Area: Design					
Mandatory Units of Study					
ARCH 1007	Design A	6			March
ARCH 1008	Design B	6			July
ARCH 2006	Design C	8	P: Design A and B		March
ARCH 2007	Design D	8	P: Design A and B		July
ARCH 3004	Design E	8	P: Design C and D		March
ARCH 3005	Design F	8	P: Design C and D		July
ARCH 3007	Design Support F	3	C: Design F		July
Elective Units of Study					
ARCH 6044	Design Elective A	3			March
Area: History and Theory of Design					
Mandatory Units of Study					
ARCH 1003	History of the Built Environment A	4			March
ARCH 1004	History of the Built Environment B	4			July
DESC 1003	Mathematics and Science in Design	3	AK: HSC 2 unit Mathematics		July
ARCH 3006	History of the Australian Built Environment	4			March
ARCH 3002	Design Theory and Method	3	P: Design A, B, C and D		July
Elective Units of Study					
ARCH 6031	Independent Study Electives - History and Theory Elective A	3			March
ARCH 6051	History of Eastern Architecture	3	P: History of the Built Environment A & B		Contact Dept

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
ARCH 6049	History of Urban Design pre 1800	3	P: History of the Built Environment A & B		Contact Dept
ARCH 6050	History of Urban Design post 1800	3	P: History of the Built Environment A & B		Contact Dept
ARCH 6030	Renaissance to Baroque Architecture in Italy	3			Contact Dept
ARCH 6057	Theatre Design and History	3			Contact Dept
ARCH 6055	Special Topics in Architectural History and Theory A	3			Contact Dept
Area: Materials, Structure and Construction					
Mandatory Units of Study					
ARCH 1002	Materials and Form in Building	3			March
DESC 1004	Building Principles	4			July
ARCH 2004	Construction A	4	P: Building Principles and Materials & Form in Building		Year-long
ARCH 3003	Construction B	5	P: Structure and Form and Construction A		March
DESC 2002	Structure and Form	3	P: Materials and Form in Building & Building Principles		July
Elective Units of Study					
ARCH 6022	Cost Planning and Control	3			Contact Dept
ARCH 6007	Object Design and Construction	3	P: Workshop Technology — Timber		March
DESC 6008	Structures Theory	3	P: Structure and Form		Contact Dept
ARCH 6009	The Building Industry in Australia	3			Contact Dept
ARCH 6036	Workshop Technology — Timber	3			March or July
ARCH 6025	Materials, Structure and Construction Elective A	3			March or July

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
Area: Social Context of Design and the Built Environment					
Mandatory Units of Study					
DESC 1001	People and the Environment	4			March
ARCH 2001	Habitat and Society A	3	P: People and the Environment		March
ARCH 2002	Habitat and Society B	3	P: People and the Environment		July
ARCH 3001	The Design Professions	4			July
Elective Units of Study					
DESC 6012	Colour Design	5	P: People and the Environment		Contact Dept
ARCH 6027	Cross-Cultural Approaches to Architecture and Planning	3	P: Habitat and Society A and B		Contact Dept
ARCH 6010	Design and Consultation	3	P: Habitat and Society B		Contact Dept
ARCH 6008	Urban Conservation Planning	3	P: History of the Built Environment A and B		Contact Dept
ARCH 6013	Architectural Design Elective A	3			March or July
DESC 6013	Knowledge Structure in Design	3			Contact Faculty
Area: Environmental Science and Technology					
Mandatory Units of Study					
ARCH 1001	Climate, Landscape and the Built Environment A	3			March
DESC 1002	Climate, Landscape and the Built Environment B	3			July
ARCH 2003	Landscape Design	3			March
DESC 2001	Environmental Science and Technology A	4	P: Climate, Landscape and the Built Environment A and B		July
DESC 3001	Environmental Science and Technology B	4	P: Environmental Science and Technology A		March

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
Elective Units of Study					
DESC 6004	Energy and the Built Environment	3	P: Climate, Landscape and the Built Environment A and B		Contact Dept
DESC 6005	Ergonomics	3	P: People and the Environment, Mathematics and Science in Design		Contact Dept
ARCH 6015	Introduction to Plant Material	5	P: Landscape Design		Contact Dept
ARCH 6016	Landscape Design Elective A	3			March
DESC 6006	Environmental Science Elective A	3			March
Area: Design Communications					
Mandatory Units of Study					
ARCH 1005	Design Communications A	4			March
ARCH 1006	Design Communications B	4			July
ARCH 2009	Design Communications C	3	P: Design Communications A & B		March
ARCH 2005	Design Communications D	3	P: Design Communications A & B		July
Elective Units; of Study					
DESC 6001	Computer-Based Design	3			July
DESC 6002	Understanding Design	3			Contact Dept
ARCH 6041	Design Communications Elective A	3			March
Area: Art Workshop					
Elective Units: of Study					
ARTW 6001	Drawing 1	3			March or July
ARTW 6002	Drawing 2	3	P: Drawing 1		March or July
ARTW 6003	Set Design 1	3			March or July

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
ARTW 6004	Etching 1	3			March or July
ARTW 6005	Graphic Design 1	3			March or July
ARTW 6006	Painting 1	3			March or July
ARTW 6007	Painting 2	3	P: Painting 1		March or July
ARTW 6008	Photography 1	3			March or July
ARTW 6009	Photography 2	3	P: Photography 1		March or July
ARTW 6010	Screen Printing - Paper 1	3			March or July
ARTW 6011	Screen Printing - Paper 2	3	P: Screen Printing - Paper 1		March or July
ARTW 6012	Screen Printing - Fabric 1	3			March or July
ARTW 6013	Sculpture 1	3			March or July
ARTW 6014	Sculpture 2	3	P: Sculpture 1		March or July
ARTW 6015	Film/Video 1	3			March or July
ARTW 6016	Art Elective 1	3			March or July
ARTW 6017	Art Elective 2	3	P: Art Elective 1		March or July
ARTW 6018	Art Elective 3	3	P: Art Elective 1 & 2		March or July
ARTW 6019	Advanced Art 1	6			March
ARTW 6020	Advanced Art 2	6	P: Advanced Art 1		March
ARTW 6021	Advanced Art 3	6	P: Advanced Art 1 & 2		March
ARTW 6022	Ceramics - Handbuilding 1	3			March or July
ARTW 6023	Ceramics - Handbuilding 2	3	P: Ceramics - Handbuilding 1		March or July
ARTW 6024	Ceramics - Wheel Throwing 1	3			March or July
ARTW 6025	Ceramics - Wheel Throwing 2	3	P: Ceramics - Wheel Throwing 1		March or July
ARTW 6026	Works on Paper 1	3			March or July

Alpha & Unit of Study Name Num. codes	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
BSc(Arch) Honours				
ARCH 4001		Thesis and Research Methods		Year long
Bachelor of Architecture				
Area: General				
Mandatory Units of Study				
ARCH 1101		Report		Year long
Area: Architectural Design				
Mandatory Units of Study				
ARCH 2101		Architectural Design 1	16	Year long
ARCH 3101		Architectural Design 2	16	Year long
ARCH 3102		Applications of Technology in Architectural Design	6	Year long
		P: Architectural Design 1 C : Applications of Technology in Architectural Design P: Building Services Systems, Advanced Construction, Architectural Structures and Materials & Architectural Design 1 C: Architectural Design II		
Elective Units of Study				
ARCH 6063		Master Planning		Contact Dept
ARCH 6066		Building Programming Elective A	3	March or July
ARCH 6013		Architectural Design Elective A	3	March or July
ARCH 6014		Architectural Design Elective B	5	March or July
Area: History and Theory of Architecture				
Mandatory Units of Study				
ARCH 2102		Theory of Architecture	3	July
ARCH 2104		Architecture in the Twentieth Century	5	July

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
Elective Units of Study					
ARCH 6053	Architecture, Poststructuralism & Contemporary Thought	3			Contact Dept
ARCH 6054	History and Theory Group Research Project	5			Contact Dept
ARCH 6051	History of Eastern Architecture	3			
ARCH 6049	History of Urban Design pre 1800	3			Contact Dept
ARCH 6050	History of Urban Design post 1800	3			Contact Dept
ARCH 6030	Renaissance to Baroque Architecture in Italy	3			Contact Dept
ARCH 6052	Seminars on Contemporary Architecture	3	P: Architecture in the Twentieth Century (or corequisite)		Contact Dept
ARCH 6055	Special Topics in Architectural History and Theory A	3			Contact Dept
ARCH 6057	Theatre Design and History	3			Contact Dept
Area: Building Technology and Economics					
Mandatory Units of Study					
ARCH 2103	Advanced Construction	5			Year long
Elective Units of Study					
ARCH 6022	Cost Planning and Control	3			Contact Dept
ARCH 6043	Materials and Methods	5			Contact Dept
ARCH 6009	The Building Industry in Australia	3			Contact Dept
ARCH 6034	Technology and Economics Elective A	3			March or July

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
Area: Building Services and Environmental Controls					
Mandatory Units of Study					
DESC 2101	Building Services Systems	3			Year long
Elective Units of Study					
DESC 6009	Energy-Conservative Architectural Design	3			Contact Dept
DESC 6010	Building Services Elective A	3			March
Area: Architectural Structures and Materials					
Mandatory Units of Study					
DESC 2102	Architectural Structures and Materials	5			Year long
Elective Units of Study					
ARCH 6007	Object Design and Construction	3			March
ARCH 6036	Workshop Technology — Timber	3			March or July
ARCH 6045	Architectural Structures and Materials Elective A	3			March
Area: Management					
Mandatory Units of Study					
ARCH 2105	Contract Documentation	5			March
ARCH 3103	Professional Practice	6	P: Contract Documentation		Year long
Elective Units of Study					
ARCH 6060	Management Elective A	3			March or July
Area: Design Computing					
Elective Units of Study					
DESC 6001	Computer-Based Design	3			July
DESC 6002	Understanding Design	3			Contact Dept

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
DESC 6003	Design Computing Elective A	3			March
Area: Social Context of Design and the Built Environment					
Elective Units of Study					
DESC 6012	Colour Design	5			
ARCH 6027	Cross-Cultural Approaches to Architecture and Planning	3			
ARCH 6010	Design and Consultation	3			Contact Dept
DESC 6013	Knowledge Structures in Design	5			Contact Dept
ARCH 6008	Urban Conservation Planning	3			Contact Dept
ARCH 6011	Social Context Elective A				Contact Faculty.
Area: Conservation					
Elective Units of Study					
ARCH 6020	Conservation of the Built Environment	3			Contact Dept
Area: Advanced Study					
Elective Units of Study					
ARCH 6068	Preparatory Advanced Study Report Elective	3			July
ARCH 6028	Advanced Study Report 1	10	P: Preparatory Advanced Study Report Elective		March
ARCH 6029	Advanced Study Report 2	10	P: Preparatory Advanced Study Report Elective		March
ARCH 6021	Advanced Study Report (Conservation and Restoration)	10	P: Conservation of the Built Environment		March
ARCH 6070	Advanced Elective 1	3			Contact Dept
ARCH 6071	Advanced Elective 2	3			Contact Dept

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
ARCH 6072	Advanced Elective 1	5			Contact Dept
ARCH 6073	Advanced Elective 2	5			Contact Dept
DESC 6020	Advanced Elective 1	3			Contact Dept
DESC 6021	Advanced Elective 2	3			Contact Dept
DESC 6022	Advanced Elective 1	5			Contact Dept
DESC 6023	Advanced Elective 2	5			Contact Dept
Area: Art Workshop					
Elective Units of Study					
ARTW 6001	Drawing 1	3			March or July
ARTW 6002	Drawing 2	3			March or July
ARTW 6003	Set Design 1	3			March or July
ARTW 6004	Etching 1	3			March or July
ARTW 6005	Graphic Design 1	3			March or July
ARTW 6006	Painting 1	3			March or July
ARTW 6007	Painting 2	3	P: Painting 1		March or July
ARTW 6008	Photography 1	3			March or July
ARTW 6009	Photography 2	3	P: Photography 1		March or July
ARTW 6010	Screen Printing — Paper 1	3			March or July
ARTW 6011	Screen Printing — Paper 2	3	P: Screen Printing — Paper 1		March or July
ARTW 6012	Screen Printing — Fabric 1	3			March or July
ARTW 6013	Sculpture 1	3			March or July.
ARTW 6014	Sculpture 2	3			March or July
ARTW 6015	Film/Video 1	3			March or July
ARTW 6016	Art Elective 1	3			March or July
ARTW 6017	Art Elective 2	3			March or July
ARTW 6018	Art Elective 3	3			March or July

Alpha & Num. codes	Unit of Study Name	Credit Point Value	Assumed Knowledge (AK) Prerequisites (P) Corequisites (C)	Additional Information / May not be counted with	When Offered (Semester)
ARTW 6019	Advanced Art 1	6			March
ARTW 6020	Advanced Art 2	6	P: Advanced Art 1		March
ARTW 6021	Advanced Art 3	6	P: Advanced Art 1 and 2		March
ARTW 6022	Ceramics — Handbuilding 1	3			March or July
ARTW 6023	Ceramics — Handbuilding 2	3			March or July
ARTW 6024	Ceramics — Wheel Throwing 1	3			March or July
ARTW 6025	Ceramics — Wheel Throwing 2	3			March or July
ARTW 6026	Works on Paper	3			March or July
Area: Urban and Regional Planning					
Elective Units of Study					
PLAN 6001	Planning and Architecture	3			Contact Dept
PLAN 6002	Urban and Regional Planning Elective	3			March

6. Regulations

General information for BSc(Arch) and BArch students

Admission

Students must apply for entry to the BSc(Arch) on the application form available from the Universities Admissions Centre. Applications (UAC) close each year at the end of September prior to enrolment but on payment of a late fee, UAC may accept applications up to the end of October prior to enrolment. This procedure applies to all applicants including those who wish to transfer from another faculty or university, or are of mature age or who have been educationally disadvantaged. Mature age and educationally disadvantaged applicants should also contact the Undergraduate Admissions Office at the University for details of the Special Admissions Scheme. Students who live overseas should contact the University's International Office before the end of November prior to enrolment.

Assumed knowledge

There are no prerequisites for students wishing to enrol in the BSc(Arch). The degree is, however, taught on the assumption that students will have successfully completed 2 unit Mathematics or have equivalent knowledge. Students who have not reached that standard will benefit from supplementary work in this subject prior to the commencement of the BSc(Arch) degree. It is recommended that students whose mathematical background is weak should, after discussion with Mr Hayman, attend one of the bridging courses in mathematics offered by the Mathematics Learning Centre (phone 9351 4061).

Assistance is also offered, during the first few weeks of the program, to students who are not familiar with simple mechanics and statics.

A capacity for freehand drawing is important, and although instruction is given during the program, students will benefit from some elementary practice in sketching, for example, by trying to draw simple objects as they are seen, developing observation and coordination between mind and hand.

Students will also benefit from some background knowledge of architecture and design and are welcome to read in the Architecture Library before commencing the program.

Equipment

Students commencing the first year are required to obtain during the enrolment period the equipment necessary to carry out the program. Lists will be provided.

Transfer students

Students transferring from other disciplines may receive credit for elective of study where these are deemed relevant to the aims and objectives of the degrees. Advanced standing for transferring students in architecture or related disciplines is subject to review by the Faculty.

Entry to the BArch

Although most students entering the BArch are proceeding from the BSc(Arch), depending on resources, the Faculty reserves some places for applicants who have academic standing equivalent to the BSc(Arch) and who have degrees from other universities.

Admission is competitive and is determined by the Faculty's BArch Admissions Committee on the basis of academic record, a portfolio of design work, and work experience. Students must apply for entry direct to the Faculty (not to the Universities Admissions Centre) using

the application form available from the Faculty office. Applications close at the end of October prior to enrolment. *It is essential that all applicants provide with their application form original transcripts of previous study and details of work experience.* Applicants will then be considered for entry and, if shortlisted, may be asked to attend an interview with a portfolio of their work.

The Bachelor of Science (Architecture)

Aims of the BSc(Arch) degree

The aim of the BSc(Arch) is to educate people in the design of the built environment as embodied in architecture, landscape architecture, urban design, interior design and component design. This education is:

- of value in its own right, apart from any vocational relevance;
- a preparation and qualification for entry into the Bachelor of Architecture and postgraduate courses at the University of Sydney;
- a basis for further learning through studies in design-related areas such as architecture, landscape architecture, interior design, urban design and planning, building science, audio engineering, illumination design, design computing and facilities management;
- a basis for further learning through practice, particularly through participation in a design office at a beginning level.

Objectives of the BSc(Arch) degree

To fulfil these aims the degree offers courses in the following areas and with the following objectives:

- to impart skills in and an understanding of the social context within which the built environment and design exist, including human and socio-cultural factors which affect and influence the perception, form and production of the built environment from the domestic place to the city.
- to impart skills in and an understanding of environmental sciences and technologies and the built environment, including the physical processes which interact with, and influence the design of the built environment.
- to impart skills in and an understanding of the materials, structures and construction of the built environment, including the characteristics and use of materials, structure and construction methods in the design of the built environment.
- to impart skills in and an understanding of the historical and theoretical context of design, in particular of architectural, landscape and urban history, and of major trends in design theory and method.
- to impart skills in and an understanding of the theory, techniques and practice of communications in design, including understanding the nature of design information, and to develop skills and confidence in the effective use of design and communications media and techniques.
- to impart an understanding of the activity of design and to develop skills and confidence in the process of designing.

Requirements for the BSc(Arch)

A minimum of 144 credit points is required to qualify for the BSc(Arch) degree including the completion of certain mandatory units of study. If it is intended to proceed to the BArch, certain prerequisite of study for that degree should also be completed.

Mandatory requirements

The mandatory courses for the degree total 132 credit points and if the prerequisites for the BArch (23 credit points) are included this leaves 12 credit points of electives to be selected from those available within the Faculty and in a number of disciplines within other faculties. These electives allow students to further develop their knowledge and skills in areas of particular interest beyond the opportunities offered by the mandatory curriculum.

The timetable will indicate the availability of elective units of study in each semester. Students are reminded that certain electives are only available in alternate years and some have a limit upon class sizes. In addition to formal elective units of study, independent study electives are available by arrangement with the teaching staff. These allow students to pursue private study of a particular topic in any of the degree subject areas.

Honours degree

The Faculty's Honours Committee determines the minimum standard required of students admitted to the honours year (fourth year). The minimum standard is the weighted average mark (WAM) of the three years of the pass degree study below which no student will be allowed to undertake the honours research and thesis presentation.

The WAM is
$$\frac{\sum M \times U_g}{\sum U_a}$$

where U_g is the number of credit points gained by passing a unit of study; U_a is the number of credit points attempted including failures and units of study discontinued; M is the mark awarded. (Note: If the result is for supplementary assessment, the mark (M) is 45.)

Students have three alternative modes for undertaking the honours degree:

- (i) by thesis;
- (ii) by coursework (units of study selected from the Faculty's postgraduate Table of Units of Study) and dissertation;* or
- (iii) by one semester of external study (in an Australian or international tertiary institution) and dissertation.*

*Methods ii and iii are subject to approval by the University. Please see the Faculty Office for more information.

For those students who choose to proceed by thesis, during the honours year, each student will work closely with a supervisor appointed by the Honours Committee on an approved thesis topic and undertake coursework on research methods. Third-year students contemplating on honours thesis should begin considering a thesis topic, in discussion with the appropriate staff member, as early as possible. At the end of the honours year the Honours Committee will appoint two examiners to assess the student's thesis. The Committee will consider the examiners' reports in consultation with the supervisor. The mark for the thesis represents 65 per cent of the total mark and the WAM (weighted average mark) for the student's coursework in previous years represents 35 per cent. On the basis of the total mark the Committee determines whether honours are to be awarded and if so the class. Honours may be awarded in two classes, Class I and Class II (with Divisions 1 and 2).

A successful honours student may be exempted from the practical experience requirements for the BArch degree. An unsuccessful honours student may, in certain circumstances, also be granted this exemption.

The Bachelor of Architecture

Aims of the BArch degree

The basic aims of the professional BArch program are to provide the

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

Objectives of the BArch

Each architecture program has a particular bias or emphasis, within the guidelines for professional accreditation, based on the interests and strengths of the staff and departments and their vision for the future. The Faculty of Architecture at the University of Sydney has the major strength of three internationally recognised major units of study and Australia's oldest and largest university.

The program will enable:

- the student to gain the necessary knowledge and skills to become an architect, noting the increasing complexity and diversity of the architect's role.
- the satisfaction, where possible, of the demands of the professional and statutory bodies for entry to the professional institute and to qualify for registration, with minimal additional examination, in the context of academic independence in the judgements it makes on the education it provides.
- the student to experience a range of attitudes and philosophies relating to architecture.
- the student to be exposed to and acquire a range of knowledge which is expected to result in graduates who can provide the community with the highest quality of architecture, including to be able to think clearly and be able to make reasoned judgements by having:
 - (i) an understanding of and experience in architectural design;
 - (ii) a knowledge of the history of architecture;
 - (iii) a knowledge of theories of architecture;
 - (iv) a knowledge of the materials, construction practices and production methods which are essential to architecture;
 - (v) the ability to absorb and interpret the needs of society and its peoples in relation to the built environment;
 - (vi) a basic understanding of those technical fields which contribute to architecture;
 - (vii) an understanding of the legal and professional responsibilities of practice as an architect;
 - (viii) the ability to communicate clearly by oral, written and graphic means, and to organise and manage those aspects of the design and construction of a building which are the responsibilities of the architect.

Requirements for the BArch

A minimum of 96 credit points is required to satisfy the requirements for the BArch including the completion of certain mandatory units of study.

The course Report is to be completed (in the first year) before any mandatory or elective units of study may be attempted. The Report is the record of experience the student gains in a range of practical activities approved by the Faculty. No units of study are gained for the Report. Students with an honours degree in the BSc(Arch) are exempted from the Report.

The 96 credit points required for the degree are obtained over the next two years of full-time study when the 70 mandatory credit points will be completed and at least 26 credit points of electives.

Honours degree

Honours are determined by the Honours Committee based on the student's performance in the 96 credit points of the degree. The

weighted average mark is used as the basis for assessment. To be eligible for the award of honours a student must complete at least one of the advanced units of study wherein the student demonstrates an ability to undertake individual research and its documentation. Honours are awarded in two classes, Class I and Class II (with Divisions 1 and 2).

Important information for BSc(Arch) and BArch students

Resolutions of the Senate and Faculty

These are the strict requirements for the degrees with which candidates must comply. Read them later in this section.

Variation of Enrolment

A student may discontinue one or all units of study and have these shown as a non-failure on his or her record as set out below. He or she may also enrol in new units as replacements according to the following:

- (i) *Withdrawal*
A candidate who discontinues enrolment in a full-year or first semester unit on or before 31 March, or in a second semester unit on or before 31 August, shall be recorded as having withdrawn from that unit of study.
- (ii) *Discontinuation*
A candidate who discontinues enrolment in a unit of study before the end of the lectures for that unit of study shall be recorded as 'Discontinued' unless the Dean, on grounds of serious ill health or misadventure, determines that the discontinuation should be recorded as 'Discontinued with Permission'.
- (iii) *Adding to enrolment*
A student may not add to the total number of credit points of his or her enrolment after 31 March.
- (iv) *New enrolments*
After withdrawal from a unit of study a student may enrol in a replacement unit of study up until the end of the third week of semester one for a full-year or first semester unit of study and the end of the third week of semester two for a second semester unit, provided that the total number of credit points in which the student was enrolled at 31 March is not exceeded.

All variations to enrolment must be approved by the Faculty office staff.

Timetable

The timetables for the BSc(Arch) and BArch are available before enrolment. Students must consult the timetables closely in planning their enrolment. Units of study cannot be taken if lecture times clash with other units of study being taken.

Units of study

Units and arrangements for units of study, including staff allocated, as stated in this or any other publication, announcement or advice of the University are an expression of intent only and are not to be taken as a firm offer or undertaking. The University reserves the right to discontinue or vary such units of study, arrangements or staff allocations at any time without notice.

Units of Study available outside the Faculty of Architecture

It is possible, with permission, for students to take units of study outside the Faculty of Architecture and on satisfactory completion of those units of study to have them credited towards a course within the Faculty. Applications in writing should be lodged with the Faculty office staff.

Works visits as part of units of study

Some units of study include works or site visits to places of interest

for first-hand observations. Details of these works visits will be given during lectures. Where works visits are a normal part of a unit of study, this is indicated in the unit description. Students are asked to prepare reports on each works visit, particularly in units of study run by the Department of Architectural and Design Science. Other units of study may involve field work or a community project outside the University grounds.

Student projects

Although a student's work which is carried out as an assignment during the course will normally be returned, it should be noted that the Faculty has the right to keep all work which may be used for exhibition or publication. It remains the responsibility of every student to safeguard his or her work to prevent damage or loss, particularly at the end of semester when studios are cleaned out.

Students are required to keep all the graphic material related to their design work in a portfolio for end-of-year inspections.

Further study options after the BSc(Arch) apart from the BArch

Upon completion of the BSc(Arch) degree there are several options available to students for further study within the Faculty of Architecture other than the BArch. Subject to having achieved the appropriate qualifications and having taken the specific prerequisite units of study, a student may apply for admission to any of the following courses:

Graduate Certificate in Design Science
Graduate Certificate in Urban and Regional Planning
Graduate Diploma in Heritage Conservation
Graduate Diploma in Housing Studies
Graduate Diploma in Design Science
Graduate Diploma in Urban Design
Graduate Diploma in Urban and Regional Planning
Master of Architecture
Master of Design Science
Master of Heritage Conservation
Master of Housing Studies
Master of Science (Architecture)
Master of Urban Design
Master of Urban and Regional Planning
Master of Urban Studies
Doctor of Philosophy
Doctor of Architecture

For more information see section 7. Postgraduate Information.

Senate Resolutions

Bachelor of Science (Architecture) and Bachelor of Architecture

Units of study to be completed

1. (1) A candidate shall complete the units of study prescribed by the Faculty for the relevant degree, satisfying all requirements with regard to mandatory units of study and taken in such sequence as the Faculty may determine from time to time.
- (2) Units of study shall consist of lectures and seminars together with such tutorial instruction, essays, exercises, practical work and assignments as may be prescribed by the Faculty.
- (3) A candidate who does not satisfy the coursework requirements in subsection (2) may be refused permission to present for examination in that coursework.
- (4) Credit is granted for coursework on the basis of credit points being gained for successfully completing units of study. One

credit point is equivalent to one hour of contact time per week for one semester together with any appropriate practical work.

- (5) Units of study may include prerequisites and/or corequisites.
 - (6) A candidate may, in satisfying the requirements of subsection (1), receive credit for units of study previously completed or may enrol in substitute units of study for those prescribed, subject to sections 7, 8, 9, 10 and 11.
2. A candidate who completes a units of study at a standard higher than that required for a Pass may be awarded High Distinction, Distinction or Credit.
 3. A candidate who has been prevented by duly credited illness or misadventure from completing a unit of study may be required to complete that unit of study or a supplementary unit of study as the Faculty shall determine.
 4. Unless exempted by the Faculty a candidate, having failed to complete a unit of study and being permitted to re-enrol, shall complete all the requirements for that unit of study.
 5. A candidate who presents for re-examination in any unit shall not be eligible for any prize or scholarship awarded in connection with such examination.
 6. (1) A candidate may take in one year units of study, the total value of which exceeds 54 credit points, only with the approval of Faculty, provided that no candidate may take in any one year units of study the total credit point value of which exceeds 57.⁴
 - (2) If in the opinion of the Faculty any change of the resolutions relating to the requirements for the degrees of Bachelor of Science (Architecture) or Bachelor of Architecture acts to the prejudice of a candidate, that candidate may complete candidature under such conditions as may be prescribed by the Faculty subject to the authority of the Academic Board and the Senate.
 - (3) A candidate who commenced candidature for the BSc(Arch) before 1 January 1992 shall:
 - (a) complete the requirements for the Pass degree no later than 31 December 1993 in accordance with the resolutions of the Senate and Faculty in force at the time of commencement, or
 - (b) complete the requirements for the degree in accordance with these resolutions. The Faculty may grant credit for any units of study completed towards the degree.
 - (4) A candidate who commenced candidature for a degree before 1 January 1993 shall:
 - (a) complete the requirements for the degree no later than 31 December 1994 in accordance with the resolutions of the Senate and Faculty in force at the time of commencement, or
 - (b) complete the requirements for the degree in accordance with these resolutions. The Faculty may grant credit for any units of study completed towards the degree.

Credit for units of study completed at the University of Sydney

7. (1) A candidate may be granted credit towards the degree for any unit of study or units of study completed during a previous period of candidature as a non-degree student or in any Faculty or under a Board of Studies at the University, provided that the Faculty shall not grant credit if the result recorded for that unit of study is, or is equivalent to, Terminating Pass'.
- (2) The Faculty may, with the consent of another Faculty or Board of Studies, permit a candidate to complete while enrolled in the Faculty of Architecture a unit or units of study taught in the other Faculty or under a Board of Studies but not listed in the Tables of Units of Study.

- (3) Where credit is granted under subsection (1), or permission granted under subsection (2) in relation to a unit of study not listed in the Tables of Units of Study, the Faculty shall specify the deemed credit point value of that unit of study for the purpose of these resolutions.

Credit for unit of study completed elsewhere

8. (1) A candidate may be granted credit towards the degree for a unit or units of study regarded by the Faculty as equivalent in workload and academic standard, completed at another university or other tertiary institution.
- (2) The Faculty may permit a candidate to complete after admission to candidature a unit or units of study offered at another university or tertiary institution.
- (3) Where credit is granted under subsection (1) or permission granted under subsection (2) the Faculty shall specify in relation to the a unit or units of study concerned either:
 - (a) the unit or units of study in the Tables of Units of Study for which credit has been or would be granted, or
 - (b) their deemed credit point value for the purpose of these resolutions.
- (4) The maximum credit granted under subsection (1) or permission granted under subsection (2) shall not, without the special permission of the Faculty, exceed half the unit requirement of the relevant degree.

Credit for informal learning and experience

9. (1) A candidate may apply to the Faculty to have credit granted towards the degree on the basis of non-credentialled learning or experience, that is equivalent to a unit or units of study in the Table of Units of Study.
- (2) The Faculty will determine the method for demonstrating the achievement of the equivalent academic standard.

Conditions on receipt of credit

10. A candidate granted credit towards the degree under section 7, 8 or 9 shall:
 - (a) count towards the degree all units of study so credited subject to the provisions of these resolutions,
 - (b) not count towards the degree any unit of study subsequently completed within the University of Sydney which overlaps substantially in content with the unit or units of study upon which grant of credit is based, and
 - (c) complete all necessary qualifying units of study for the degree within such period of time and such number of years of enrolment as the Faculty may determine having regard to the amount of credit granted, the length of the time over which the unit or units of study concerned were completed and the time limits for completion of the degree prescribed under these resolutions.

Restrictions on the grant of credit

11. (1) A candidate shall not, except with the approval of the Faculty, be granted credit towards the degree on the basis of any unit or units of study completed more than nine years prior to admission or readmission to candidature.
- (2) A candidate seeking credit on the basis of a unit of study or units for which the candidate has relied for the award of another academic qualification may:
 - (a) receive specified credit, together with any other credit to the limit set in section 8(4) when the application for credit is on the basis of section 8(1).
 - (b) receive unspecified credit subject to limits set by resolution of the Faculty.

⁴ Revision of resolution subject to final approval by Senate.

- (3) In addition to the credit granted in subsection (2) a candidate for the B Arch may have unspecified credit granted for elective units of study completed in the BSc(Arch), in excess of those needed for the award of the BSc(Arch), and common to both Tables of Study Units to a maximum of 7⁵ credit points.
- (4) The Faculty may limit the total credit point value of units of study completed outside the Table of Units of Study that may be credited towards a degree.
- (5) Except as provided in subsection (3) credit will not be granted to BArch candidates on the basis of units completed in the BSc(Arch).

Time limits

12. (1) Unless the Faculty otherwise determines a candidate shall complete all the requirements for the award of the degree within a (cumulative) total of 10 calendar years of admission or re-admission to candidature.
- (2) A candidate proceeding from the BSc(Arch) to the BArch shall commence candidature for the BArch within six years of completing the BSc(Arch), or shall be required to apply for admission to the BArch.

Approval for suspension

13. (1) A candidate must seek suspension of candidature if the candidate:
 - (a) intends not to re-enrol in the next calendar year after discontinuing or failing due to absence each of the units of study in which that candidate has been enrolled, or
 - (b) intends not to re-enrol within two years of last having been enrolled, otherwise the candidature will lapse.
- (2) Except where the Faculty determines otherwise in any particular case, a candidate who suspends candidature for a period in excess of one year shall proceed under the by-laws and resolutions in force at the time of re-enrolment.

Lapse of candidature

14. (1) Unless the Faculty otherwise determines in any particular case, a candidature for the degree shall lapse if:
 - (a) all the requirements for the award of the degree in accordance with sections 10 and 12 have not been satisfied, or
 - (b) re-enrolment for the degree as required by section 13 does not occur.
- (2) A person whose candidature has lapsed under subsection (1) shall not re-enrol as a candidate for the degree unless again selected for admission.

Bachelor of Science (Architecture)

15. An applicant for admission to candidature for the degree of Bachelor of Science (Architecture) shall, before such admission, produce evidence of having qualified for admission under Chapter 10 of the by-laws.
16. The degree shall be awarded in two grades, namely the Pass degree and the Honours degree.

Pass degree

17. (1) A candidate to be eligible for the award of the degree shall have completed units of total unit value of at least 144⁶ credit points.
- (2) A candidate for the degree shall:
 - (a) complete all mandatory units of study shown in the Table of Units of Study for the Bachelor of Science (Architecture), and

- (b) complete elective units of study from the Table of Units of Study for the Bachelor of Science (Architecture), provided that the candidate may complete instead of any of the units of study referred to in (a) and (b) above, such other units of study as the Faculty may approve.

- (3) A candidate who proposes to proceed to the Bachelor of Architecture shall complete all prerequisite units for the Bachelor of Architecture shown in the Table of Units of Study for the Bachelor of Science (Architecture).

18. A candidate who has completed a unit of study referred to in 17 above shall have credit points credited towards the completion of the degree in accordance with the values shown in the Table.

Honours degree

19. An applicant for admission to candidature for the degree with Honours shall:
 - (a) except with the permission of the Faculty be of not more than four years' standing or the semester equivalent as a candidate for the Pass degree,
 - (b) have qualified for the award of the Pass degree, and
 - (c) be considered by the Faculty to have requisite knowledge and aptitude.
20. (1) Subject to subsection (2), a candidate for the Honours degree shall, in the year subsequent to qualifying for the award of the Pass degree, proceed by one of the following methods:
 - (a) present a thesis on a subject approved by the Faculty; or
 - (b) complete units of study equivalent to a minimum total of 12 postgraduate credit points chosen from the Faculty's postgraduate Table of Units of Study, such units of study to be approved by Faculty, and present a dissertation on a subject approved by the Faculty, or
 - (c) undertake a semester of full-time study (the equivalent to 24 credit points of coursework) at an Australian or international tertiary institution as part of an exchange program approved by Faculty and present a dissertation on a subject approved by Faculty.⁷
- (2) A person to whom the Pass degree of Bachelor of Science (Architecture) has been awarded may, with the permission of the Faculty and in such further time as the Faculty shall determine, be admitted to candidature for the Honours degree of Bachelor of Science (Architecture) provided that person satisfies the other requirements of these resolutions for admission to candidature for Honours.

21. (1) There shall be two classes of Honours namely, Class I and Class II and within Class II there shall be two divisions, namely Division 1 and Division 2.
- (2) The candidate most distinguished at the final examination shall, if the candidate has obtained Honours Class I and in the opinion of the Faculty possesses sufficient merit, receive a bronze medal.
- (3) Except with the permission of the Faculty, no candidate who is of more than five years' standing as a candidate for the degree shall be awarded Honours at graduation.

Bachelor of Architecture

22. (1) An applicant for admission to candidature for the degree of Bachelor of Architecture shall have completed all the requirements for the degree of Bachelor of Science (Architecture) in the University of Sydney with a weighted average mark in the degree of at least 50, or such other degree of the University of Sydney as the Faculty of Architecture may approve or possess such equivalent standing as may be

⁵ Revision of resolution subject to final approval by Senate.

⁶ Revision of resolution subject to final approval by Senate.

⁷ Revision of resolution subject to final approval by Senate.

approved by the Faculty.

- (2) The Faculty will regard an applicant for admission to candidature as possessing equivalent standing within the meaning of subsection (1) if the applicant has completed studies and has experience that together provide the applicant with a standard of knowledge equivalent to the standard of knowledge required of an applicant who has completed all the requirements for the degree of Bachelor of Science (Architecture) or such other degree of the University of Sydney as the Faculty of Architecture may approve.
23. The degree shall be awarded in two grades, namely, the Pass degree and the Honours degree.

Pass degree

24. (1) A candidate to be eligible for the award of the degree shall have completed units of study of total unit value of at least 96⁸ credit points.
- (2) Except with the permission of the Faculty a candidate for the degree shall, before undertaking units of study in accordance with subsection (3), have completed the units of study shown as prerequisites for the Bachelor of Architecture in the Table of Units of Study for the Bachelor of Science (Architecture) if the candidate is proceeding from the Bachelor of Science (Architecture) degree provided that in special circumstances a candidate may be exempted from these requirements with the approval of the Faculty.
 - (3) Subject to subsection (2) a candidate shall:
 - (a) complete all mandatory units of study in the Table of Units of Study for the Bachelor of Architecture, and
 - (b) complete elective units of study from the Table of Units of Study for the Bachelor of Architecture, provided that the candidate may complete instead of any of the units of study referred to in (a) and (b) above, such other units of study as the Faculty may approve, and provided that a candidate who has completed all the requirements for the Honours degree of Bachelor of Science (Architecture) or such other equivalent qualifications as may be approved by the Faculty may be exempted from the unit of study, Report.

25. A candidate who has completed a unit of study referred to in section 24 shall have credit points credited towards the completion of the degree in accordance with the values shown in the Table.

Honours degree

26. To be eligible for the award of Honours a candidate must complete at least one of the units of study:
- (a) Advanced Study Report I, .
 - (b) Advanced Study Report II, or
 - (c) Advanced Study Report (Conservation and Restoration)
27. Except with the special permission of the Faculty, no candidate who is of more than three years' standing as a candidate for the degree may be awarded Honours at graduation.
28. (1) There shall be two classes of Honours, namely Class I and Class II and within Class II there shall be two divisions, namely Division 1 and Division 2.
- (2) The award of Honours at graduation shall depend upon the proficiency shown by a candidate in completing the units of study for the degree and in completing such specific units of study, if any, as may be determined by the Faculty of Architecture.
 - (3) The candidate most distinguished at the final examination shall, if awarded Honours Class I and in the opinion of the Faculty possesses sufficient merit, receive a bronze medal.

⁸ Revision of resolution subject to final approval by Senate.

Failure and exclusion

The Senate authorises the Faculty of Architecture to require a student who is a candidate for the degree of Bachelor of Science (Architecture) or Bachelor of Architecture to show good cause why he or she should be allowed to re-enrol in the Faculty of Architecture if he or she fails to maintain a weighted average mark of at least 50 per cent.

Faculty resolutions

Bachelor of Science (Architecture) and Bachelor of Architecture

Availability

1. The number of students admitted into the Bachelor's degrees and the units available may be limited and will be determined by:
 - (a) the availability of resources, including space, library, equipment and computing facilities,
 - (b) availability of adequate and appropriate supervision, and
 - (c) availability of staff resources for the conduct of courses.

Eligibility for admission to Honours in the BSc(Arch)

2. In addition to the requirements of the resolutions of Senate regarding the BSc(Arch) degree, an application for admission to the Honours degree shall be determined by the Honours Committee which will consider the candidate's academic performance over the three years of the Pass degree.
3. A research topic which is satisfactory in terms of research interests, resources and availability of supervision within the Faculty must be agreed upon between the applicant and the relevant head of department before the candidate can enrol in the course Thesis.

Appointment of supervisors for Honours Theses and Advanced Study Reports

4. The Faculty shall appoint a member of the full-time or fractional academic or research staff of the Faculty to act as supervisor of the candidate. The Faculty may also appoint an associate supervisor or co-supervisor who may be a member of the academic or research staff of the University, an Honorary Associate or a person with appropriate qualifications in another institution or organisation.

Thesis and Advanced Study Report requirements

5. Candidates undertaking a thesis or Advanced Study Report shall:
 - (a) lodge with the Faculty the thesis or Advanced Study Report embodying the results of an original investigation carried out by the candidate,
 - (b) state in the thesis or report, generally in the preface and specifically in the notes, the sources from which the information was derived, the extent to which the candidate has made use of the work of others and the portion of the thesis or report which is claimed to be original, and
 - (c) not lodge as the candidate's work any work previously submitted for a degree of the University of Sydney or any other university, but may incorporate such work in the thesis, provided that the candidate indicates *the* work so incorporated.

Form of a Thesis or Advanced Study Report

6. (1) A thesis or Advanced Study Report may be bound in either a temporary or permanent form.
- (2) Temporary binding must be able to withstand ordinary handling and postage. The preferred form of binding is the 'Perfect Binding' system; spring back, ring-back or spiral binding is not permitted.

- (3) The cover of a temporarily bound thesis or Advanced Study Report must have a label showing the candidate's name, name of the degree, title of the thesis and the year of submission.
- (4) The requirements for permanent binding are given in the University's *Calendar 1996, Volume I: Statutes and Regulations*, under the statutes governing the degree of Doctor of Philosophy.
- (5) Following examination and emendation if necessary, at least one copy (the Library copy) of the thesis or Advanced Study Report must be bound in a permanent form.
- (6) If emendations are required, all copies of the thesis or Advanced Study Report which are to remain available within the University must be amended.

Examination of a Thesis or Advanced Study Report

7. The Faculty shall appoint two examiners. The examiners shall report to the Faculty.

Result of Honours candidature

8. (1) The Honours Committee recommends the award the degree whenever:
 - (a) the examiners have recommended without reservation that the degree be awarded, or
 - (b) all of the examiners have recommended the degree be awarded or awarded subject to emendations to all copies of the thesis or Advanced Study Report which are to remain available in the University, or
 - (c) the Committee unanimously accepts the recommendation of the supervisor that the degree be awarded subject to emendations despite reservations expressed by one or more examiners, and
 - (d) the coursework results are satisfactory.
- (2) The Honours Committee will determine the class of Honours, if any, on the following basis:
 - (a) BSc(Arch): The overall performance of the candidate using a mark derived from weighting the mark for the thesis at 65 per cent and the weighted average mark of the Pass degree studies at 35 per cent.
 - (b) BArch: The weighted average mark achieved over the two coursework years of the degree.
- (3) The Honours Committee may recommend that an unsuccessful candidate be permitted to prepare for re-examination if, in its opinion, the candidate's work is of sufficient merit and the supervisor has so recommended.

Satisfactory progress

9. In addition to the resolutions of the Senate regarding satisfactory progress the Faculty shall require a candidate to show good cause why re-enrolment in a unit of study which has been failed twice should be allowed.

Delegation

10. (1) The Faculty delegates its responsibility for admissions to the BArch to the BArch Admissions Committee.
- (2) The Faculty delegates its responsibility for examinations to the Board of Examiners.
- (3) The Board of Examiners delegates its responsibility for the determination of Honours to the Honours Committee.
- (4) The Faculty delegates the following responsibilities to the Dean, who in turn, may delegate them to the Associate Dean (Undergraduate):
 - (a) approval of examiners,
 - (b) supervisory arrangements,
 - (c) approval of enrolments,
 - (d) administration of results,
 - (e) variations of candidature,
 - (f) extension of candidature, and

- (g) completion of candidature away from the University, subject to these matters being reported to the Faculty, Board of Examiners or the Honours Committee.

The determination of credit granted on the basis of equivalence to courses in the Tables of Units of Study

11. Pursuant to sections 8 and 9 of the Senate resolutions the Faculty has determined that a candidate seeking credit:
 - (a) for units of study completed elsewhere shall apply on the form provided by the Faculty, shall supply documentary evidence of the unit of study description and the assessment result and will be available for discussion with the appropriate unit of study coordinator, and
 - (b) on the basis of non-credentialled learning or experience shall apply on the form provided by the Faculty and shall be available for assessment by the appropriate unit of study coordinator.

The course coordinator will be satisfied of the equivalence from the documentary evidence and discussion under (a) and by appropriate assessment of the candidate under (b) before credit will be granted.

Restrictions on unspecified credit and credit for courses outside the Tables of Units of Study

12. (1) The maximum credit that a candidate may receive on the basis of:
 - (a) unspecified credit based on units of study completed towards another degree for which there has been an award, and
 - (b) credit received for courses completed after admission outside the Table of Units of Study, and
 - (c) in the case of the BArch, credit received for excess units of study in the BSc(Arch), shall not exceed 36¹ credit points for the BSc(Arch) or 24² credit points for the BArch.
- (2) The granting of unspecified credit towards the BSc(Arch) or the BArch shall be limited to the degree in which the candidate enters the architecture program.

Assessment Appeals Review Board

The Faculty has resolved that there shall be an Assessment Appeals Review Board.

1. The Board will meet at the formal request of a student of the Faculty to consider an appeal regarding the assessment of any coursework subject of the Faculty.
2. The Board will not review marks awarded but will consider appeals for a reassessment of work based on assessment procedures, illness, misadventure, etc.
3. The Board will request the attendance of the examiner for the appeal. If either the examiner or student wishes, they may attend separately, but only if the other party agrees or if there are, in the view of the Board, exceptional circumstances.
4. The Board will report its recommendations to the examiner and to the Faculty's Board of Examiners.
5. The membership of the Board will be the Dean and up to five persons referred to in subsection 1(a) of the resolutions of the Senate relating to the constitution of the Faculty of Architecture and up to four students who are enrolled in the coursework degrees of the Faculty, all of whom will be appointed by the Dean, on the advice of the heads of departments and in consideration of the nature of the appeals before the Board. For an appeal by an undergraduate student, the four students shall be nominated by the Sydney University Architecture Society.

¹ Subject to Faculty approval.

² Subject to Faculty approval.

7. Postgraduate Information

ARCHITECTURE

Master of Architecture (MArch)

Master of Science in Architecture (MScArch)

The graduate program in architecture is a post-professional research degree which aims to provide continuing education and advanced specialisation in any of the areas of architectural scholarship and research undertaken by the Department of Architecture, Planning and Allied Arts. Topics include but are not limited to: architectural history and theory, environment and behaviour, environmental ethics, environmental sustainability, heritage conservation, housing, landscape studies, social responsibility and urban design. Entry requirements for the MArch include a professional degree in architecture, and for the MSc (Arch) a bachelor's degree in a relevant discipline. Both programs are generally completed in 2 years full-time or 4 years part-time study.

For more information, see the Faculty's Graduate Program Prospectus or contact the Program Director:

Professor Gary Moore
Faculty of Architecture
University of Sydney
NSW 2006, Australia
Email: gtmoore@arch.usyd.edu.au

DESIGN SCIENCE

Master of Design Science (Research) (MDesSc[Res])

The Master of Design Science (Research) allows a candidate to undertake research in any of the areas of research undertaken by the Department of Architectural and Design Science (audio engineering, building, building services, design computing, design knowledge, design cognition, digital media, energy conservation, facilities management, or iUmination). The candidate is required to submit a thesis incorporating the results of the research, and in addition may undertake some coursework relevant to the topic. Entry requirements include a degree in a relevant discipline. It is generally completed in 2 years full-time or 4 years part time study.

Master of Design Science (MDesSc)

Graduate Diploma in Design Science (GradDipDesSc)

Graduate Certificate in Design Science (GradCertDesSc)

With specialisations in the following areas:

Audio Engineering
Building Services
Design Computing
Digital Media
Energy Conservation
Facilities Management
Illumination

The graduate program in Design Science aims to provide continuing education and training for design professionals who wish to apply architectural and design science knowledge to careers in design practice, management, research and development, and education. A variety of well defined specialisations are available.

For more information see the Faculty's Graduate Programs Prospectus or contact the Program Adviser:

Ms Lesley Vanderkwast
Student Services Centre
Faculty of Architecture
University of Sydney
NSW 2006, Australia
Email: lesley@arch.usyd.edu.au

HERITAGE CONSERVATION

Master of Heritage Conservation (MHeritCons)

Graduate Diploma in Heritage Conservation (GradDipHeritCons)

The program's primary aim is to develop skills in the assessment, interpretation, management, formulation of policy and documentation of culturally significant places, including buildings, sites and cultural landscapes. Secondary aims include the analysis of pressures for change and the promotion of cross-cultural study. The program emphasises the importance of management issues and a practical understanding of mechanisms of statutory authorities, both local and international, which affect conservation and development.

For more information see the Faculty's Graduate Programs Prospectus, contact the Graduate Adviser:

Ms Lesley Vanderkwast
Student Services Centre
Faculty of Architecture
University of Sydney
NSW 2006, Australia
Email: lesley@arch.usyd.edu.au

or contact the Program Director:

Dr Richard Lamb
Department of Architecture, Planning and Allied Arts
University of Sydney
NSW 2006, Australia
Email: lamb@arch.usyd.edu.au

HOUSING STUDIES

Master of Housing Studies (MHS)

Graduate Diploma in Housing Studies (GradDipHS)

The purpose of the program is to educate people who will extend and enhance the standards and quality of housing services in both the public and private sectors. Housing Studies professionals are engaged in the design and delivery of housing services to a local contemporary urban society. Through concurrent studies in the contexts within which housing is procured and how it is managed, students engage in the dynamics of policy and practice, demand and supply, and public and private sector involvement.

For more information see the Faculty's Graduate Programs Prospectus; contact the Graduate Adviser:

Ms Lesley Vanderkwast
Student Services Centre
Faculty of Architecture
University of Sydney
NSW 2006, Australia
Email: lesley@arch.usyd.edu.au

or contact the Program Director:

Mr Colin James
Department of Architecture, Planning and Allied Arts
University of Sydney
NSW 2006, Australia
Email: fell@arch.usyd.edu.au

URBAN DESIGN

Master of Urban Design (MURbDes)

Graduate Diploma in Urban Design (GradDipUrbDes)

The program curriculum is contributed to by both departments of the Faculty, with the design studio project as the central core. Candidates are engaged in the creative yet informed generation and discussion of leading design concepts for urban areas, developing design and policy skills needed to effect useful and sustainable urban change. A wide range of related disciplines and viewpoints is introduced, to nurture a deep understanding of the conception, shaping and implementation of urban design projects, programs and policies. The curriculum is continually updated to meet shifting urban realities in relation to societal, cultural, technological and environmental change.

For more information see the Faculty's Graduate Prospectus; contact the Graduate Adviser:

Ms Lesley Vanderkwaast
Student Services Centre
Faculty of Architecture
University of Sydney
NSW 2006, Australia
Email: lesley@arch.usyd.edu.au

or contact the Program Director:

Visiting Professor Peter Droege
Department of Architecture, Planning and Allied Arts
University of Sydney
NSW 2006, Australia
Email: droege@arch.usyd.edu.au

URBAN AND REGIONAL PLANNING

Master of Urban Studies (Research)

The Master of Urban Studies involves a research thesis and may require some coursework with an urban studies focus. It enables candidates to pursue a broad range of issues and topics relating to cities with an emphasis on developing the more conceptual and theoretical side of urban studies and planning. Entry requirements are a degree in a relevant discipline, including arts and social sciences. It is generally completed in one year full-time or 2 years part-time study.

Master of Urban and Regional Planning (MURP)

Graduate Diploma in Urban and Regional Planning (GradDipURP)

Graduate Certificate in Urban and Regional Planning (GradCertURP)

The Department has been operating for almost 50 years, with graduates in leading planning positions around the world, pursuing a wide range of employment opportunities in an equally wide range of countries. The courses provide professional training in the many challenging ideas, questions and problems confronting our cities and the environment as we move towards the millennium. Cities and urban issues are increasingly on the public political agenda and courses in the department enable planning professionals to participate actively in debates on the future. The program is recognised by the Royal Australian Planning Institute and graduates are eligible, subject to the professional experience requirements, for corporate membership of that body.

The program accepts candidates with a wide range of academic backgrounds including architectural, engineering, surveying, economics, geography, law and other qualifications in the social sciences, humanities, and natural sciences.

For more information see the Faculty's Graduate Programs Prospectus or contact the Program Director:

Mr Gregory Mills
Department of Architecture, Planning and Allied Arts
University of Sydney
NSW 2006, Australia
Email: gmills@arch.usyd.edu.au

DOCTOR OF PHILOSOPHY

Doctor of Philosophy (PhD)

This research degree is awarded for a thesis considered to be a substantial, original contribution to the discipline concerned. Entry requirements include a Master's degree or a Bachelor's degree with first or second class honours. Alternatively you may be admitted having passed a qualifying examination at an equivalent standard. This examination could be completion of a period of relevant advanced study and research towards a Master's degree at the University of Sydney. It is generally completed in 3-5 years full time or 4-7 years part time. Various forms of financial assistance are available.

For more information see the Faculty's Graduate Programs Prospectus or contact the Program Director:

Professor John Gero
Associate Dean/Graduate Studies
Faculty of Architecture
University of Sydney
NSW 2006, Australia
Email: john@arch.usyd.edu.au

RESEARCH CENTRES

Key Centre of Design Computing

The Key Centre of Design Computing is a collection of people within the Faculty whose main interests lie in the general area of design computing and design cognition. The vision of the Key Centre is to improve the quality of design through the application of the latest developments in computing. This vision is achieved through a symbiotic relationship between the education and research programs supported by the Key Centre. The Key Centre is internationally known for advances in the following areas:

Artificial Intelligence in Design
Computer-Support for Collaborative Design
Design Cognition
Digital Media in Design

Planning Research Centre

The Planning Research Centre's main purpose is to further fundamental research into physical planning and development. It also sponsors seminars in specialised fields, undertakes research and consultancy projects, runs professional development courses, and promotes the publication of research material. It has an active membership comprised of members of government and industry.

Ian Buchan Fell Housing Research Centre

The Ian Buchan Fell Housing Research Centre was established in the University of Sydney in 1964. It is funded by the estate of the late Ian Buchan Fell who graduated in Architecture at Sydney University in 1929 and died in 1961. The Centre was generally, but not exclusively, established for the purpose of research into aspects of social housing. The Centre has conducted a variety of projects, organised seminars and conferences and produced publications which include a biennial

directory of Australian housing research, books, monographs and articles. It maintains a housing research database and a small specialist library and promotes a wide range of housing research.

Other Research Groups

In addition to the three major research centres, there are a number of academic staff, post-doctoral students, research staff and students working on architectural history and theory, cognitive models of design, environment and behaviour, environmental science, environmental sustainability, heritage conservation, urban design and urban and regional planning. For more information on research contact the Associate Dean for Research, Professor Mary Lou Maher, Faculty of Architecture, University of Sydney, NSW 2006, Australia. Email: mary@[arch.usyd.edu.au](mailto:mary@arch.usyd.edu.au)

8. Other Information

(a) Faculty Specific Information

Enrolment

In determining the academic direction of their degree courses, students face a complex task when enrolling as course structures allow wide choice. They must ensure that their yearly program of study not only meets their own requirements but also complies with those of the unit system, the prerequisite structure, the provisions for mandatory units of study and the structure of the timetable. They must also ensure that their enrolment each year gives them a workload evenly balanced over the full academic year, bearing in mind that some units of study run for one semester only and others for the full year. Staff of the Faculty will be available to assist students with the task of enrolment. Listed below are major points that must be borne in mind during enrolment and whenever variation of enrolment is contemplated:

- completion of mandatory units of study;
- completion of prerequisites for units of study in which enrolment is intended;
- compliance with total credit point requirements for each degree;
- completion of prerequisites for the Bachelor of Architecture degree course;
- structuring of an even workload over the two semesters of the academic year;
- avoidance of timetable clashes;
- observance of the limit of 48 credit points total for all units of study taken in the BSc(Arch) and BArch degrees in any one year.

Photographs and registration of first year students

With the enrolment of each new group of students in first year, associating names with faces is a difficult task. To assist the staff a photograph will be taken of each student. Students will be notified of the time and place for this.

Suspension of candidature

Candidates may apply for suspension of their candidature due to work pressures, illness, transfers from Sydney, etc. Such applications should be lodged with the Faculty office as soon as possible giving full details of the reasons for suspension and the period of the suspension requested. The Faculty normally considers suspensions one year at a time. *It is important that once the period of suspension is over candidates either formally re-enrol or apply for a further period of suspension.*

Attendance

Students are required to attend all lectures and other classes. A student who has been absent without leave for more than ten per cent of the classes in a particular course in any one semester may be required to show cause why she or he should not be deemed to have failed to complete that unit of study.

Assessment methods and posting of results

Bachelor of Science (Architecture) and Bachelor of Architecture

A system of continuous assessment is applied in most units of study. In some units of study assignments are set during and at the end of the course. Assessment by examination at the end of the unit of study is carried out for some units.

Supplementary work may be given to provide a student with a second chance to pass a unit of study. The opportunity to do supplementary

work is granted only if the student's original work demonstrates that he or she has potential to perform satisfactorily (or has been seriously ill or had some other misfortune).

Students may be awarded the grades of High Distinction, Distinction or Credit for achieving a high standard in a unit of study. These grades provide the means of assessment for awarding scholarships and prizes, the selection of students who may enrol for the BSc(Arch) honours degree and the award of honours in the BArch degree.

Final results for units of study are discussed by staff at a number of examiners' meetings, where extenuating circumstances (illness, etc.) are taken into account. The general results for the year are usually posted on the university noticeboards in the Main Quadrangle during the week before Christmas. The Registrar writes to each student notifying him or her of the results in each course.

Faculty date submission policy

In the interests of equity, the Faculty requires students to submit all assignments by the due dates, which are notified in the formal written information given to students for each unit of study.

This policy applies to all undergraduate and postgraduate coursework students in the Faculty. The heads of the departments are responsible for ensuring that this policy is applied consistently by all staff to all units of study (and their components).

1. Extensions

An extension to a submission date may be granted to a student in the event of illness or misadventure, or for a part-time postgraduate student because of unexpected employer demands.

To request an extension, the student must complete a student request form available from the Faculty Office, as soon as practical after the illness or misadventure. A postgraduate student requesting an extension based on employer demands should do so as soon as he or she becomes aware of the change in circumstances.

The student:

- (a) returns the completed request form with original copies of any documentary evidence to the Faculty Office;
- (b) contacts and provides copies of the form and evidence to each unit of study coordinator involved.

The unit of study coordinator will:

- (a) inform the student whether he or she has been granted an extension and if so, the revised due date;
- (b) keep a record of all requests received for special consideration (including extensions) including the date received, and the date of and response to the student.

2. Late submissions without permission

Where a student has not received an extension to the due date, the following will apply to each late submission (includes separate components of a course's assessment, BSc(Arch) honours theses, Advanced Study Reports and dissertations):

Submissions of assignments will be accepted up to 14 days late with the following penalties applied

- Up to 7 days late: the mark awarded is reduced by 10 per cent
- Up to 14 days late: the mark awarded is reduced by 30 per cent
- More than 14 days late: not accepted.

Surryville Times

The *Surryville Times* is a spontaneous four-page weekly internal news sheet published during semester within the Faculty. Contributions come from any interested student or member of staff.

Professional qualifications

Graduates who hold the degree of Bachelor of Architecture will be entitled to registration as architects under the New South Wales Architects Act 1921, as amended, subject to obtaining two years of approved practical experience, at least twelve months of which must be subsequent to graduation, and passing an architectural practice examination before registration. Application for registration may be made to the Board of Architects of New South Wales, 'Tusculum', 3 Manning Street, Potts Point, 2011.

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

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

Publications

- *University of Sydney Diary* - giving details of the University's organisation, examinations, assistance for disabled students, child care facilities, housing, health, counselling, financial assistance, careers advice and a range of other matters - available free from the Student Centre or from University of Sydney Union outlets.
- *Map Guide*, including maps of the University, off campus centres and local bus routes.
- *Where to find that room* - showing the location of all Main Campus rooms used for examinations, and named rooms in the Main Quadrangle area.
- Faculty Handbooks.
- *Calendar 1996, Vol. I: Statutes and Regulations*.
- *Postgraduate Studies Prospectus*.
- *Postgraduate Studies Handbook*.

Confirmation of enrolment

All the information provided when you enrol is added to the University's computerised student record system. This includes your degree, academic year and the subjects you are taking. It is important that this information be recorded correctly at the beginning of the year, and amended should a change occur in any of the details during the year. With the introduction of the Higher Education Contribution Scheme (HECS), any subject enrolment has a financial implication.

To enable you to see what enrolment data has been recorded, you will be sent a HECS assessment notice every semester. You should check this carefully. If the information is correct you should keep the notice as a record of your current enrolment. Should the notice be incorrect in any detail, you should advise the Faculty Office promptly to have your record amended. A new notice will then be prepared and sent to you.

If you wish to-

- change a subject in which you are enrolled
- discontinue a subject
- discontinue enrolment totally

you should apply at the Faculty Office to obtain the appropriate approval. Your record at the University will not be correct unless you do this and in some cases you could incur a financial liability under HECS. *It is not sufficient for instance to tell the teaching or tutoring staff that you discontinued a subject.*

Assessment and examinations

All faculties (except Medicine)

There are three formal examination periods in each year.

Period	when held	approximate duration
First semester	June	2-3 weeks
Second semester	November	3-4 weeks
Supplementary	January	1 week

In addition individual faculties and departments may examine at other times and by various methods of assessment, such as essays, assignments, viva voce, practical work, etc. Some departments do not examine during the first semester.

Supplementary examinations, which are held in January, may be granted by some faculties:

- to candidates who have been prevented by duly certified illness or misadventure from completing an examination; or
- to candidates who have failed in any examination, but whose work is deemed sufficient to warrant the concession of a further test.

Supplementary examinations should be regarded as distinct privileges, not as rights.

Examination timetables. Draft timetables are displayed in the Main Quadrangle, approximately 3-4 weeks before the commencement of examinations. Notice will be given in the News and on departmental noticeboards. Enquires about these may be made at the Student Centre. Printed copies of the final timetables are available from the Student Centre, Law School, United Dental Hospital, University Farms, Economics, Nursing, Education and Engineering faculty offices and the Carslaw foyer on Level 2.

Study vacation. A period after lectures at the end of each semester is set aside for study and preparation.

Notification of examination results. The results of annual examinations are displayed on noticeboards in the Main Quadrangle and posted directly to you at the end of the year.

Disclosure of examination marks. Final marks will appear on your annual result notice. Marks may also be obtained from your department for the major components of assessment which make up the final marks. You are entitled to information about any details of the assessment procedures used to determine the final result.

Your examination scripts and any other assessment material may be retrieved within a reasonable time after the completion of assessment in each course. This does not apply to examination papers which involve the repeated use of the same material in successive examinations.

Examination grades. Each course taken will be allotted one of the following grades at the annual examinations:

Grade	per cent
High Distinction	85-100
Distinction	75-84
Credit	65-74
Pass	50-64
Fail	below 50

The Faculties of Agriculture, Engineering and Science also allot one or more of the following grades of Pass: Terminating, Concessional, and Terminating-Optional Supplementary.

Award of examination grades. It is important to note that the University does not use a set formula for determining the number of specific examination grades to be awarded in particular subjects. However there is a policy of the Academic Board on trying to achieve equity between faculties on the number of *merit* grades to be awarded in subjects. This policy is printed below.

'The following proportions of merit grades to be awarded in each subject are provided to examiners as indicative only. *They are certainly not to be considered as quotas.* The proportions have been refined over the years to provide a basis for equity of examination results

between faculties, particularly the 'generalist' faculties of Arts, Economics and Science. Equity of examination results is important in its own right, but is crucial when Honours students are being considered for the award of Australian Postgraduate Scholarships. Please note that the proportions are cumulative and are based on the number of students who gain a Pass or better in the particular subject.

	% High Distinction	% Distinction +	% Credit +
First year units of study	3	14	42
Second year units of study	3	16	46
Third year units of study	4	18	50

The proportions of merit grades may vary from unit to unit and from year to year, reflecting different capabilities of different groups. Any variations will be compared with previous years and the proportions will continue to be refined in the light of experience.'

Illness or misadventure. You may apply in writing for special consideration of your examination performance on grounds of illness or misadventure. In the case of *illness* a medical certificate should be provided. The minimum requirements of a medical certificate are that it:

- be submitted and signed by your own medical practitioner and indicate the date on which you sought attention;
- certify unambiguously to a specified illness or medical disability for a definite period;
- indicate the degree of your incapacity, and express a professional opinion as to the effect of your illness on your ability to take an examination.

Certificates in connection with annual or supplementary examinations should be submitted prior to the examinations, unless the illness or misadventure takes place during the examinations, in which case the evidence must be forwarded as soon as practicable, and in any case before the close of the examination period. There is a special form available at the Student Centre and at the University Health Service for submission with medical certificates.

For special consideration on the ground of *misadventure*, your application must include a full statement of circumstances and any available supporting evidence.

The need to seek early advice. Many students in need of advice fail to make full use of the assistance available to them. If you believe that your performance during a course, or your preparation for your examinations, has been adversely affected by medical, psychological or family circumstances, you should seek advice as early as possible. Members of the teaching staff, of the University Counselling Service, and of the University Health Service, are all available for consultation and can give advice on appropriate action to take.

Exclusion

Restriction upon re-enrolment

There are certain circumstances in which you could be asked to show good cause why you should be permitted to repeat any previously attempted study. In the Faculty of Architecture the two most common circumstances are:

- if you fail to maintain a weighted average mark of at least 50 per cent; and
- if you fail or discontinue any unit of study more than once.

The resolutions of the Senate restricting re-enrolment may be found in the University's *Calendar 1996, Vol. 1: Statutes and Regulations*, indexed under 'Re-enrolment'. If you are in any doubt about your liability for exclusion following academic failure or discontinuation of units of study you should seek advice from the Faculty Office.

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

Appeals

Many decisions about academic and non-academic issues are made in the University each year, and in some cases the by-laws or resolutions of the Senate provide for a right of appeal against decisions. This is the case, for example, in the resolutions of the Senate relating to exclusion of students after failure. However, there are many other situations without such specific provision for appeal where you might wish to have a decision reviewed or to draw attention to additional information relevant to your case. As a general rule in these circumstances you are invited to address a request of this nature in writing, or to discuss the matter with, the relevant organisation (for example, the SRC or SUPRA) or University department (for example, Examinations, Scholarships, Financial Assistance). Advice may also be sought from the Faculty Office.

Discrimination

The University is opposed to all forms of discrimination, including those based on sex, race, marital status, sexual preference, political or religious beliefs and physical impairment. State and Federal legislation supports this view. Discrimination can occur in various ways, including verbal and physical harassment. The Vice-Chancellor has appointed Discrimination Advisers to hear complaints from staff and students who suspect or believe that they are being discriminated against.

The Discrimination Advisers are available to discuss problems in confidence and to provide advice and assistance if the complainant wishes.

For a list of current advisers contact the Equal Employment Opportunity Unit, tel. 9351 2212.

(b) Staff¹

FACULTY

Dean and Professor

Professor Gary T. Moore, BArch *Calif MA Clark PhD Clark FAPA*
Appointed 1997

Associate Dean (Graduate Programs)

Professor John S. Gero, BE *UNSW MBdgSc PhD, FRSA FffiAasf*
MASCE

Associate Dean (Research)

Professor Mary Lou Maher, BS *Col. MS PhD Carnegie-Mellon*

Associate Dean (Undergraduate Programs and Teaching)

To be determined

Associate Dean (Development)

Dr Peter Phibbs, BA MSc PhD *UNSW*

Faculty Manager

Lyn Harrison, BA ANU DipEd *SydTeachColl*

Administrative Officer (Undergraduate Student Services)

Sharon Perritt

Administrative Officer (Graduate Student Services)

Lesley Vanderkwast

¹As at 31 October 1997.

Administrative Officer (Resources and Technical Affairs)
Kerry Song, BSc(ApplEcon) *NELondPoly*

Dean's Assistant
Judith Maddison

Promotions and Marketing Manager
Michaela James, BA *City Art Inst*

Network Manager
Douglas Scoular, DipCompStud

Architectural and Technical Services Centre Manager
Phil Granger

Audio Visual Centre Manager
Anne Cleary, BAppSc (Mo) *UTS*

Computer Systems Manager
Andrew Winter

Technical Officers
Ken Stewart
John Neirotti
Rick Moss

DEPARTMENT OF ARCHITECTURE, PLANNING AND ALLIED ARTS

Professor of Architecture
Geoffrey Philip Webber, MSc(Arch) *Col* BArch MTCP, FRAIA
MRAPJARJBA
Appointed 1979

Visiting Professor of Urban Design
Peter Droege, Diplng *Munich*, MArch *MIT*

Adjunct Professor
Kevin Rice, BArch MBA *UNSW*, LFRAIA AIArBA

Associate Professors
John P Lea, MA *Camb*, PhD *Witw*, DipTP *CentLondPoly*, MRTPI
MJJEnvSci
Anna Rubbo, BArch *Melb* DArch *Mich*.
Jennifer E Taylor, MArch *Wash.*, FRAIA
Ross H Thome, MArch, DArch, FRAIA MAAS
John G Toon, DipArch *Leic*, FRAPIMTRPIARIBA ARAIA

Senior Lecturers
Craig Burton, BArch Hons GDipLandDes *UNSWGDipEmStudMacq*, MA
Graham E. Holland, BArch *UNSW PhD*, FRAIA
Trevor Howells, DipConsStud *York* BArch
Colin L James, MArch *Harv* AASTC STC. DipTCP, MRAPJ ARAIA
Therese Kenyon, BA(VisArts) *Alex Mackie* CAE MFA *UNSW*
(Drawing and Set Design)
Swetik Korzeniewski, MArch BArch *Perm*.
Richard J Lamb, BSc, CBiol MTBiol MATBiol, PhD *NE*
Gregory C Mills, (Head of Department) BANE MSc(Econ) *Lond*.
DipTP *Edin*
Peter Phibbs, BA MSc PhD *UNSW*
Wendy Sarkissian, BSc, MA *Conn*, MTP *Ade*, PhD *Murdoch* RAPI

Lecturers
Gary Cox, B A(Econ) *Mane* MURP PhD
Martin J Payne, MS *ColoState*
Kristine S Sodersten, DipHed *UNSW*, BArch, ARAIA

Associate Lecturers
Jan Fieldsend, MA *UNSWDipEdAuck* (Screen Printing)
Glen Hill, MPM *UTS*, BArch, PhD
Mark Jones, BA(VisArts) *SCA* (Ceramics)
Virginia Ross, MA *UNSW* (Photography)

Administrative Assistants
Pauline Guthrie, BA DipGallMan *UNSW*
Diana Lang
Sally Yong

DEPARTMENT OF ARCHITECTURAL AND DESIGN SCIENCE

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

Professor in Design Computing
Mary Lou Maher, BS *Col*, MS PhD *Carnegie-Mellon*
Appointed 1998

Associate Professors
Fergus R Fricke, BE *Melb*, DipME *Swinburne Tech Coll*, PhD *Monash*
MAAS
Warren G Julian, BSc BE MSc(Arch) DipBdgSc PhD, LFIESANZ
A Terrence Purcell, BA, PhD *Macq*

Senior Lecturers
Bruce SA Forwood (Head of Department), BArch
David J Gunaratnam, BSc(Eng) *Cey* PhD *Camb*

Lecturers
Hilaire Graham, MSc Arch *Lond*
Simon N. Hayman, BSc(Arch), MArch DipIllumDes, FRSA
MTESANZ, PhD
James Rutherford, BArch *Liv*, PhD *Strath*
Bailey Nelson, BE *UTS*

Associate Lecturers
Joseph R Nappa, BE
Paul Murty, MArch

Senior Systems Analyst
Michael A Rosenman, BArch MBdgSc PhD

Administrative Assistants
Megan Haig
Suzanne Roberts
Fay Sudweeks, BA MCogSc *UNSWATCL*
Lesley Vanderkwast

Professorial Fellows
Peter Hein, BMEchEng *Melb*
Alexander Wargon, BE Technion MSc *Harv*, FIEAust FICE(UK)
FASCE

Honorary Appointments

Emeritus Professor H.J. Cowan, AO, MSc *Mane* DEng PhD *Sheff*
HonMArch HonDArch, FRSA FASCE FISTructE FIEAust HonFRAIA

Honorary Associate Professor
Peter R. Smith, BArch MArch PhD

Honorary Professional Associates
Norman Carter, MA PhD, MAAS
Neville Thiele, BE, FAES FIREE FIEAust MSMPTE

Honorary Research Associates
John L. Goldberg, BSc ME PhD
Andrew Madry, BSc PhD
David M Rowe, ASTC, MATRAH
Nancy Ruck, BArch *Auck* PhD *UNSW* MBdgSc
Garry Stevens, BSc(Arch), DipArchComp, MScSoc, PhD

THE DENIS WINSTON ARCHITECTURE LIBRARY

Librarian
Jennifer Hayes, BA, MLitt, ASTC, ALAA

Librai Assistant
Alison Essam

General Librai Assistants
Michael Arndell
Jean Bassett
Mary Wilson

IAN BUCHAN FELL HOUSING RESEARCH CENTRE

Director

Colin L James AM, MArch *Harv* ASTC (Arch) *STC* DipTCP, ARAIA
MRAPI

Administrative Assistant

Diana Lang

KEY CENTRE OF DESIGN COMPUTING

Co-Directors

John S. Gero, BE *UNSW* MBdgSc PhD, FRSA FIEAust FAAAAI
MASCE

Mary Lou Maher, BS Col, MS PhD *Carnegie-Mellon*

James Rutherford, BArch *Liv* PhD *Strath*

Administrative Assistant

Fay Sudweeks, BA MCogSc *UNSWXTCL*

PLANNING RESEARCH CENTRE

Director

John G. Toon, DipArch *Leic*, FRAPI MTRPI ARIBA ARAIA

Deputy Director

Martin J. Payne, MS *ColoState*

Associate Director (Research and Development)

Jon Hall, B A *Massey*, MTCP

Administrative Assistant

Joanne Greenwood

TIN SHEDS GALLERY

Director

Therese Kenyon, BA(VisArts) *Alex Mackie CAE* MFA *UNSW*
(Drawing and Set Design)

Administrative/Curatorial Assistant

Pauline Guthrie, BA DipGallMan *UNSW*

(c) Scholarships and Prizes

Scholarships and prizes

A large number of scholarships and prizes for the Faculty of Architecture are awarded automatically by the Faculty on the basis of

academic merit. The following are other awards for which application must be made. Full details of all scholarships may be obtained from the Scholarships Office in the Holme Building.

Prize or scholarship	Value \$	Closing date	Qualification
<i>Undergraduate</i>			
Robert Campbell	200 p.a.	-	Students in financial need and of sufficient merit. Applications for Year I students at any time.
Council of Education	400 p.a.		Children of teachers or officers in the Department of Education of at least three years' standing. Certificate of eligibility required.
A.R. Elkin Fund	varies	-	Students of Aboriginal descent.
Freemasons' (2)	300 p.a.	-	Sons of Freemasons of 5 years' standing. Certificate of eligibility required.
James Robinson Orange Memorial Prize	900	-	Children or grandchildren of member of the Loyal Orange Institution. Certificate of eligibility required.
Universities Credit Union	500	"	Undergraduates who are members of Universities Credit Union.
<i>Postgraduate</i>			
Restricted to Architecture graduates			
Hezlet Bequest	9000	as advertised	B Arch graduate for postgraduate study overseas in Architecture.
Mirvac	600	-	Postgraduate study in Urban Design.
David Noel Murray	13 504	as advertised	BArch graduate for higher degree in Faculty of Architecture.
Denis Winston	3500	-	Postgraduate study in Urban and Regional Planning.
<i>Other awards open to Architecture graduates</i>			
<i>Tenable at the University of Sydney</i>			
Australian Postgraduate Awards	15 364	31 October	Open to permanent residents of Australia enrolling for higher degree.
A.E. and F.A.Q. Stephens	17 427	as advertised	Open to graduates of any Postgraduate Research University for higher degree study.
<i>Travelling Scholarships</i>			
Baillieu	500	31 May	Graduates in Medicine, Law, Economics and Architecture (travel grant).
Herbert Johnson Grants	up to 1000	31 May	Graduates who hold travelling scholarships.
James King of Irrawang	1000	31 May	Graduates in any faculty (travel grant).
University of Sydney	9000	31 October	Graduates in any faculty.
<i>Postgraduate Research Travelling</i>			
J.B. Watt	9000	as advertised	Graduates in any faculty.
Eleanor Sophia Wood	14 000	as advertised	Graduates with three years' postgraduate experience at University of Sydney.

(d) Facilities and Student Societies

Resource centres within the Faculty

The Faculty contains, in addition to the facilities mentioned above, a number of specialised resource centres, mostly located within the departments of the Faculty. These have been developed to assist the Faculty's teaching and research.

Audio Visual Centre

The audio visual library has an extensive film, video, slide/tape and slide collection and a wide range of equipment for use by staff or students in eight carrels in the library or in the small viewing theatre attached.

Workshops

Both the Departments of Architecture and Architectural and Design Science maintain workshops which are available to students for experiencing the use of various materials, making items of equipment not readily available, constructing models and making and instrumenting models and specimens to be tested in laboratories. The workshops have a comprehensive range of tools and equipment and a variety of portable power and hand tools. Students receive instruction on the safe and correct use of these tools.

Darkrooms and plan printing

Darkrooms, plan printing equipment and an artscope are available for student use.

Urbanscope

A small television studio, located in the Architecture workshop, houses the urbanscope which uses a periscope and a video camera to present a realistic view of either walking or driving through an architectural or landscape model.

Laboratories

The Department of Architectural and Design Science has well-established laboratories and items of equipment for teaching, student project work and postgraduate and staff research. There are laboratories for materials, ventilation, services, a heliodon, mechanics, psychophysics, natural lighting, photometry, thermal environment, acoustics including anechoic and reverberant rooms, and artificial skies.

Computer studios

These have been established to provide resources for teaching computer-aided design, computer-aided presentation and the technical skills of programming and systems organisation and management in design computing. They are also used extensively in higher degree and funded research projects. The laboratories contain networked multimedia computers representative of the cutting edge in computer-aided design, and have links to university and external computer networks for access to internet and the World Wide Web's resources.

Departmental and Faculty offices

Each department has an office where students can direct enquiries regarding coursework and assessment matters or contact academic staff. The Faculty Office deals with general student enrolment issues.

Building attendants

The building attendants provide a range of services relating to the use of the building including operation of the lecture theatres, security, safety and deliveries.

Sydney University Architecture Society

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

lectures, a faculty newspaper, the Architecture Ball and the Architecture Revue.

Every undergraduate student in the Faculty is automatically a member of the Society - part of the SRC subscription paid by each student is allocated to the Society, which uses the money to promote activities. Enquiries about the Society should be directed to the SUAS office, level 2, Wilkinson Building, University of Sydney. Messages may be left in the Department of Architecture.

Mathematics Learning Centre

The Mathematics Learning Centre offers help to students who enter the University with insufficient preparation in mathematics to enable them to cope with the mathematical requirements of their course.

For the BSc(Arch) degree, a knowledge of the HSC 2-unit mathematics course is assumed. Certain postgraduate courses also have mathematics components which may be mandatory. If you are doubtful whether you are well enough prepared for any of these courses, you should contact the Mathematics Learning Centre for advice.

At the Centre staff can help you decide which topics need extra work. There are resources for individual study, with guidance from tutors, and small tutorials can be arranged for students who are having difficulties. Introductory and bridging courses are organised during the summer and throughout the year.

The Centre is located on the fourth floor of the Carslaw Building in Eastern Avenue. Any student seeking assistance should call at the Centre, or phone 9351 4061.

Learning Assistance Centre

The Learning Assistance Centre offers a wide range of workshops and other activities for students to help develop the learning and language skills needed for academic study. The Centre's workshops are free to all enrolled students of the University throughout the calendar year.

You may choose to participate in a range of workshops, varying in length from 3 to 12 hours, some of them being repeated throughout the year. The purpose of the workshops is both to teach particular skills and to provide an opportunity for practising those skills in a systematic way. There are also self-directed learning resources including some specially designed resources for practising reading, writing, speaking and listening skills. Workshops are offered on topics such as essay and assignment writing, oral communication skills, studying at university, and conducting research.

For further information and to register for workshops, please telephone 9351 3853, or call at the Centre which is located on level 7 of the Education Building.

Participation in University government

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

The term of office is generally one year, from January to December, except the Senate which is from 1 December one year to 30 November the next. Elections are held by postal vote in October and notices calling for nominations are sent out in August/September. Details of the elections are placed on the noticeboards in the Science Road tunnel and published in the *University of Sydney News* and the *Bulletin Board*. Election announcements are also made available to *Honi Soit* and the *Union Recorder* for publication and are available from the Student Centre and faculty/college offices. Before any election the appropriate ballot papers and instructions, as well as information about the candidates, are sent to all students concerned.

The *Senate* is the overall governing body of the University; the *Academic Board* coordinates the work of the faculties and boards of studies and advises the Senate on academic matters; the *faculties* and

boards of studies are concerned with the teaching and examining of their subjects and with research in the various departments and schools.

The important contribution that students can make to the governance of the University is recognised through student membership of its governing bodies. As a student you are urged to take an active part in the selection of student members by nominating candidates and by voting in each election that concerns you. By participating in these elections you can become more familiar with the functioning of the

University and can help ensure that your interests are taken into consideration in decisions that affect your work at the University.

Membership of the Senate is provided for in the University of Sydney Act 1989, Section 9. Membership of the Academic Board, of the faculties and boards of studies and of the school and departmental boards, is specified in Chapter 8 of the by-laws and in resolutions of the Senate following that chapter. For details see the *Calendar 1996, Vol. I: Statutes and Regulations*.

9. General Information

Admissions Office

Student Centre
Ground Floor
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone +61 2 9351 4117
+612 93514118
+61 2 9351 3615 - Special Admissions (including Mature Age)
Fax +612 93514869
E-mail admissions@records.usyd.edu.au

This office services prospective local undergraduate students. Applicants without Australian citizenship or permanent residency should contact the International Office. Postgraduate students should contact the appropriate faculty.

Assessment

For matters regarding assessment, refer to the relevant Department.

Co-op Bookshop

Transient Building
F12 - Transient
The University of Sydney
NSW 2006 Australia
Phone +612 93513705
+61 2 9351 2807
Fax +612 9660 5256
E-mail sydu@mail.coop-bookshop.com.au
Website <http://mail.coop-bookshop.com.au/coop.html>
Sells textbooks and general books. Special order services available.

Enrolment and pre-enrolment

Students entering first year

Details of the enrolment procedures will be sent with the UAC Offer of Enrolment. Enrolment takes place at a specific time and date, depending on your surname and the Faculty in which you are enrolling, but is usually within the last two weeks of January. You must attend the University in person or else nominate, in writing, somebody to act on your behalf. On the enrolment day, you pay the compulsory fees for joining the student Union, the Students' Representative Council and sporting bodies. You also choose your first-year units of study, so it's important to consult the Handbook before enrolling.

All other students

The Student Information Bulletin is sent to all enrolled students in early to mid-October, and contains instructions on the procedure for pre-enrolment.

Examinations

Examinations and Exclusions Office

Student Centre
Level 1
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone +612 93514005
+612 93514006
Fax +612 93517330
E-mail Exams.Office@exams.usyd.edu.au

The Examinations and Exclusions Office looks after exam papers, timetables and exclusions.

First-year timetable

A print-out of first-year lecture and tutorial times is available from the Faculty Office.

Graduations

Ground Floor, Student Centre
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone +612 93514009
Fax +61 2 9351 5072
E-mail Naomi@records.usyd.edu.au

(Grievances) Appeals

Many decisions about academic and non-academic matters are made each year and you may consider that a particular decision affecting your candidature for a degree or other activities at the University may not have taken into account all the relevant matters. In some cases the by-laws or resolutions of the Senate (see Calendar Volume 1) specifically provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

Normally a matter should be resolved by discussing it with the academic staff member concerned, or with a senior member of staff within the department. However, a situation could arise where you might wish to have a decision reviewed or to draw attention to additional relevant information. In this case you should put your case in writing to the head of department and if you're still not satisfied with the result you should contact your Dean. Only after following these steps can you appeal to the Senate. In the case of examination results the appeal may be made to the department. Parking appeals should be addressed to the Manager, Campus Services. You may wish to seek assistance or advice from the SRC regarding an appeal; if so, contact the

Education/Research Officer

Level 1
Wentworth Building
Phone +612 9660 5222
HECS, fees, other charges
Phone +61 2 9351 5659, 9351 2086, 9351 5499 and 9351 5062
Fax +61 2 9351 5081
+61 2 9351 5350

Library (Fisher)

F03 - Fisher Library
The University of Sydney
NSW 2006 Australia
Phone +61 2 9351 2993 - Enquiries - Information Desk
+61 2 9351 3711 - Library Hours
+61 2 9351 7273 - Borrowers'Cards
+61 2 9351 6692 - Holds Enquiries
+61 2 9351 7277 - Inter-library Loans
+61 2 9351 2265 - Loans, overdue enquiries
Fax +61 2 9351 2890 - Administration
+61 2 9351 7278 - Renewals
E-mail loanenq@library.usyd.edu.au - Loan and Library enquiries
regill@library.usyd.edu.au - Inter-library Loans
Website <http://www.library.usyd.edu.au/> - Fisher Library Home Page
<http://www.library.usyd.edu.au/Services/Libraries/Fisher/index.html>

Student Centre

Ground Floor

F07 - Carslaw Building

The University of Sydney

NSW 2006 Australia

Phone +61 2 9351 3023 - General Enquiries

+61 2 9351 4109 - Academic Records

+61 2 9351 3023 - Discontinuation of Enrolment

+61 2 9351 4109 - Handbooks

+61 2 9351 5060-Prizes

Fax +61 2 9351 5081

+61 2 9351 5350

E-mail admissions@records.usyd.edu.au

Part-time, full-time

A student is normally considered as full-time if they have a HECS weighting of at least .375 per semester. Anything under this amount is considered a part-time study load. Note that some faculties have minimum study load requirements for satisfactory progress.

Privacy and Freedom of Information

The NSW Freedom of Information (FOI) Act 1989 provides the public with a legally enforceable right of access to University documents, subject to particular exemptions. In addition, the Act enables individuals to ensure that information held about them is accurate, up-to-date and complete. The University has a number of policies permitting access by individuals to information about themselves without recourse to the Freedom of Information Act.

The University necessarily accumulates a great deal of information on individuals; within the Uni, access to this is restricted to staff who need the information to carry out their duties. As regards external requests for personal information, it is policy that the University will disclose information to a third party if the subject of the information has consented in writing to the disclosure, or if the University has a legal obligation to respond to a request, including a subpoena, and the request is in the appropriate written form. Enquiries should be directed to the:

Freedom of Information Coordinator and Privacy Officer

c/- Archives A14

Phone +612 93514263

Fax +61 2 9351 7304

E-mail trobinso@mail.usyd.edu.au

Website <http://www.usyd.edu.au/su/foi>

Student Services

Room 711, Level 7

A35 - Education Building

The University of Sydney

NSW 2006 Australia

Website <http://www.usyd.edu.au/su/stuserv/> Student Services

Accommodation Service

Phone +612 93513312

Fax +61 2 9351 7055

E-mail larthur@mail.usyd.edu.au

Website <http://www.usyd.edu.au/su/accom/> Student Accommodation

Casual Employment

Phone +612 9552 2589

Fax +612 9552 2589

E-mail mross@mail.usyd.edu.au

Website http://www.usyd.edu.au/su/cas_emp/ Casual Employment

Counselling Service

Phone +612 93512228

Fax +612 93517055

E-mail myoung@mail.usyd.edu.au

Disability and Welfare Services

Phone +612 93514554

Fax +612 93517055

E-mail ctuckin@mail.usyd.edu.au

Website <http://www.usyd.edu.au/su/disabihty/> Disability Services

Financial Assistance

Phone +612 93512416

Fax +61 2 9351 7055

Refer to the University of Sydney Calendar 1996, Volume 2, for a listing of all undergraduate and postgraduate sources, conditions and benefits or financial support funded by the University.

E-mail psweet@mail.usyd.edu.au

Website http://www.usyd.edu.au/su/fin_assist/ Financial Assistance

Learning Assistance Centre

Phone +612 93513853

Fax +61 2 9351 4865

E-mail lewalker@mail.usyd.edu.au

Website <http://www.usyd.edu.au/su/lac/>

Other student assistance

Careers Centre

Room 147, Ground Level

K01 - Mackie Building (Arundel St, Forest Lodge)

The University of Sydney

NSW 2006 Australia

Phone +612 93513481

Fax +61 2 9351 5134

E-mail rawing@careers.usyd.edu.au - General Enquiries

asharp@careers.usyd.edu.au - Library

Website <http://www.usyd.edu.au/homepage/exterel/careers/index.htm>

Provides careers advice and information, Graduate Employment Services and graduate Labour market information to students and staff.

Centre for Continuing Education (bridging courses)

K01 - Mackie

The University of Sydney

NSW 2006 Australia

Phone +612 93512907

Fax +612 93515022

E-mail info@cce.usyd.edu.au

Website http://www.usyd.edu.au/homepage/exterel/cont_edu/cont_edu.htm

Health service

Level 3, G01 - Wentworth

The University of Sydney

NSW 2006 Australia

Phone +61 2 9351 3484 - Wentworth

+61 2 9351 4095-Holme

+612 93510636-Mallett

Fax +61 2 9351 4110 - Wentworth

+61 2 9351 4338-Holme

+61 2 9351 0580 - Mallett

E-mail P.Brown@unihealth.usyd.edu.au

Provides full general practitioner services and emergency medical care to the University community

Koori Centre

Room U201

A22 - Old Teachers' College

The University of Sydney

NSW 2006 Australia

Phone +61 2 9351 2046-General Enquiries

+61 2 9351 7001 - Liaison Officer

+61 2 9351 7073 - Student Counsellor

Fax +61 2 9351 6923

E-mail adminoff@koori.usyd.edu.au

Website <http://www.koori.usyd.edu.au/centre/>

The Koori Centre runs the AEA training program, supports Aboriginal and Torres Strait Islander students on campus and during enrolment. There is also an educational unit which supports Aboriginal studies in the University.

Language Centre

Room 312, A19 - Griffith Taylor

A18 - Christopher Brennan

The University of Sydney

NSW 2006 Australia

Phone +612 93512683

Fax +61 2 9351 4724

E-mail Langcent.Enquiries@language.usyd.edu.au

Website http://www.arts.su.edu.au/language_centre/intro.html

Provides self-access course materials in over 100 languages; beginners and intermediate courses in Spanish language and Culture; beginners and advanced courses in Celtic languages and cultures.

Mathematics Learning Centre

Room 441

F07 - Carslaw

The University of Sydney

NSW 2006 Australia

Phone +612 93514061

Fax +61 2 9351 5797

E-mail MLC@mail.usyd.edu.au

Website <http://www.usyd.edu.au/su/mlc/MLC.html>

Scholarships

Research and Scholarships Office

Scholarships Administration Room N410.1, A14

A14 - Main Quadrangle

The University of Sydney

NSW 2006 Australia

Phone +612 93513250

Fax +612 93513256

E-mail scholars@reschols.usyd.edu.au

Website <http://www.usyd.edu.au/homepage/exterel/su/reschols/index.html>

International students

International Office

Level 2

K07 - Margaret Telfer Building

The University of Sydney

NSW 2006 Australia

Phone +612 93514161

+612 93514079

Fax +612 93514013

E-mail info@io.usyd.edu.au

International Student Services Unit

Level 2

K07 - Margaret Telfer Building

The University of Sydney

NSW 2006 Australia

Phone +612 93514749

Fax +612 93514013

E-mail info@issu.usyd.edu.au

Website <http://www.usyd.edu.au/su/issu/> International Student Services Unit

Website http://www.usyd.edu.au/homepage/exterel/internat/int_student_centre.html

Provides an advisory and counselling service to international students at The University of Sydney.

Student organisations

Students' Representative Council

Level 1, Wentworth G01

The University of Sydney

NSW 2006 Australia

Phone +61 2 9351 2871 - President, Honi Soit

+61 2 9660 4756 - Bookshop

+61 2 9660 5222 - Legal Aid

Fax +612 9660 4260

University of Sydney Union

Box 500 Holme Building

A09 - Holme

The University of Sydney

NSW 2006 Australia

Phone +61 2 9563 6000 - Switchboard/Enquiries

+61 2 9563 6282 - Academic Dress

+61 2 9563 6103 - ACCESS Centre, Manning

+61 2 9563 6269 - Campus Store, Holme

+61 2 9563 6016 - Campus Store, Wentworth

+61 2 9563 6160 - Clubs and Societies Office

+61 2 9563 6010 - School Tutoring Co-ordinator

+61 2 9563 6032 - Union Broadcasting Studio

+612 9563 6115 - Welfare and Information Services Manager

Fax +612 9563 6239

E-mail enquiries@union.usyd.edu.au

Website <http://www.usu.usyd.edu.au/>

Provides welfare, social and recreational services to the University community.

Sydney University Sports Union

G09 - Sports and Aquatic Centre

The University of Sydney

NSW 2006 Australia

Phone +612 93514960

Fax +612 93514962

Provides services, facilities and clubs for sport, recreation and fitness.

Women's Sports Association

Room 214

A30 - Sports Centre

The University of Sydney

NSW 2006 Australia

Phone +612 9660 6355

+61 2 9351 2057

Fax +61 2 9660 0921

E-mail jlawler@mail.usyd.edu.au

Website <http://www.usyd.edu.au/su/suwsa/welcome.html>

Provides for students, predominantly women, to participate in sport and recreation through the provision of facilities, courses and personnel.

10. Glossary of Terms

Applying for a course

Admissions

The Admissions Office is responsible for overseeing the distribution of offers of enrolment and can advise prospective students regarding admission requirements.

Application

Prospective (intending) students must lodge an application form with the Universities Admissions Centre (UAC) by the last working day of September of the year before enrolment. Note that some faculties, such as Dentistry and Sydney College of the Arts, have additional application procedures.

Mature age

A category of Special Admission applicants who are 21 years or older on 1 March of the year in which they want to study and who do not have the high school qualifications normally required for entry into a course.

Special Admission

Certain categories of applicants, such as mature-age applicants, students who have experienced educational disadvantage or Aboriginal or Torres Strait Islander applicants, may apply for admission to the University under one of several Special Admission schemes. Contact the Special Admissions office for further information.

TER

The Tertiary Entrance Rank (TER) is the numerical expression of a student's performance in the NSW Higher School Certificate (HSC), which takes into account both assessment and examination results.

TER cut-off

The TER of the last student admitted to a course. Some courses have a minimum TER.

Universities Admissions Centre (UAC)

The organisation that processes applications for most NSW undergraduate university and TAFE courses.

Enrolment and general terms

Academic year

The period during which teaching takes place, from February to November. The academic year is divided into two semesters.

Advanced standing

(See also: Credit) Recognition of previous experience or studies, meaning that the candidate has satisfied the entry requirements for a unit. Advanced standing does not reduce the number of credit points required to complete the degree course.

Associate Diploma

The undergraduate award granted following successful completion of Associate Diploma course requirements. An Associate Diploma course usually requires less study than a Diploma course.

Assumed knowledge

The level of knowledge expected for entry to a Unit of Study. Unlike prerequisites, levels of assumed knowledge are not compulsory for entry to a Unit. Students who do not have the assumed knowledge may, however, be at a considerable disadvantage and may consider completing a bridging course prior to enrolment. Contact the Learning Assistance Centre, Mathematics Learning Centre, Language Centre or Centre for Continuing Education for further information.

Bachelor's degree

The highest undergraduate award offered at the University of Sydney (other undergraduate awards are Associate Diploma and Diploma). A Bachelor's degree course normally requires three or four years of full-time study (or the part-time equivalent).

Campus

The grounds on which the University is situated. There are eleven campuses of the University of Sydney: Burren Street (Graduate School of Business), Camperdown and Darlington ("Main campus"), Camden (Agriculture and Veterinary Science), Conservatorium (Conservatorium of Music), Cumberland (Health Sciences and Nursing), Mallett Street (Nursing), Orange Agricultural College, Rozelle (Sydney College of the Arts), St James (Law) and Surry Hills (Dentistry).

Chancellor

(See also: Vice-Chancellor) The non-resident head of the University.

Combined degree course

A program consisting of two degree courses taken together, which usually requires less time than if the courses were taken separately.

Core

(See also: Elective/Option) A Unit of Study that is compulsory for the course or subject area.

Corequisite

A Unit of Study that must be taken with a given Unit. If a corequisite is not successfully completed, it becomes a prerequisite for further study in that subject area.

Course

A complete degree or diploma program.

Credit

(See also: Advanced standing) Recognition of previous studies or studies completed at another institution. If credit is granted then the number of credit points required for completion of the degree course is reduced.

Credit point

A measure of value indicating the contribution each Unit of Study provides towards meeting course completion requirements stated as total credit point value.

Dean

The head of a faculty.

Deferment of enrolment

Persons who have not previously attended a recognised tertiary institution are normally able to defer commencement of their candidature for one year. Applications are handled by the Admissions Office of the University. Application for deferment must be made during the UAC enrolment week at the "Deferment" desk in MacLaurin Hall and be accompanied by the "offer of enrolment" card.

Degree

The award conferred following successful completion of a degree course (for example Bachelor's degree or Master's degree).

Department/School

The academic unit responsible for teaching in a given subject area.

Diploma

The award granted following successful completion of Diploma course requirements. A Diploma course usually requires less study than a degree course. Graduate Diploma courses are for graduates only.

Doctorate

(See also: PhD) The Doctorate awards and the PhD are the highest awards available at the University of Sydney. A Doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a Doctorate course often requires completion of a Master's degree course. Note that the Doctorate course is not available in all Departments of the University of Sydney.

Elective/Option

(See also: Core) A Unit of Study that may be taken towards, but is not compulsory for, a course or subject area.

Enrolment

The process whereby an applicant officially accepts the offer of a place in a particular course. If UAC application is successful, an "offer of enrolment" card is mailed to the applicant, along with instructions for enrolment. In most cases, the applicant must attend the University on a particular enrolment day or, if unable to attend, must appoint somebody to enrol on their behalf. Units of Study must be nominated on enrolment day. Academic records and HECS liability calculations are based on the enrolment details, so students must ensure that the Faculty holds correct enrolment information (see also: Variation of enrolment).

Entry requirement

The level of knowledge and/or experience required for entry to a particular Unit of Study.

Faculty

The administrative unit responsible for overseeing satisfactory progress during a degree or diploma course.

Full-time

A study load usually defined in terms of HECS weighting of at least .375 per semester.

Intermediate

Faculty of Science: Second-year level.

Junior

First-year level.

Laboratory practical

See: Practical.

Lecture

(See also: Tutorial) A class given to a large group of students, during which the lecturer speaks or presents audiovisual material and students take notes.

Major

The subject area(s) in which a student specialises at Senior level. Students usually specialise in one (single major) or two (double major) subject areas. The major is usually recorded on the transcript.

Master's degree

A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an Honours year at undergraduate level.

Minor

Subject areas in which a student studies, but does not specialise at Senior level.

Orientation period

"O' Week" takes place during the week prior to lectures in February semester. During O' Week, students can join various clubs, societies and organisations, register for courses with Departments and take part in activities provided by the University of Sydney Union.

Part-time

A study load usually defined in terms of HECS weighting of less than .375 per semester.

PhD

(See also: Doctorate) The Doctor of Philosophy (PhD) and other Doctorate awards are the highest awards available at the University of Sydney. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. Entry to a PhD course often requires completion of a Master's degree course. Note that the PhD course is available in most Departments of the University of Sydney.

Postgraduate

The term used to describe a course leading to an award such as Graduate Diploma, Master's degree or PhD, which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A "postgraduate" is a student enrolled in such a course.

Practical

Similar to a tutorial, during which experiments or other relevant applied activities are carried out.

Prerequisite

A Unit of Study that must be taken prior to entry to a given Unit.

Recommended reading

Reading material that is suggested but not compulsory for a Unit of Study.

Registrar

The head of the administrative divisions of the University.

Registration

In addition to enrolling (with the Faculty) in Units of Study, students must register with the Department responsible for teaching each Unit. This is normally done during the Orientation period (O' Week). Note that unlike enrolment, registration is not a formal record of Units attempted by the student.

Resolutions of Senate

Regulations determined by the Senate of the University of Sydney that pertain to degree and diploma course requirements and other academic matters.

School

Similar to a large Department, otherwise a grouping of Departments.

Semester

A period of fourteen weeks during which teaching takes place. There are two semesters per year for most faculties.

Senior

Second-year level or higher.

Faculty of Science: third-year level.

Subject area

One or more Units of Study that comprise a particular field of study (eg Japanese or Chemistry).

Textbook

Reading material that the student is expected to own.

Tutorial

(See also: Lecture) A small class consisting of a tutor and up to about 25 students, during which concepts raised in lectures are discussed in detail and may be supplemented with readings, demonstrations and presentations.

Undergraduate

The term used to describe a course leading to a diploma or Bachelor's degree. An "undergraduate" is a student enrolled in such a course.

Unit of Study

A stand-alone component of a degree or diploma course that is recordable on the academic transcript.

Variation of enrolment

The process whereby students officially notify the Faculty of changes regarding the Units of Study they are attending. This must be done by a certain deadline in each semester, to avoid penalties such as "discontinued" results on the academic transcript (see: Results) or unnecessary HECS charges.

Vice-Chancellor

(See also: Chancellor) The administrative head of the whole University, including academic and administrative divisions.

Costs

Bursary

A sum given to a student who has limited resources or is experiencing financial hardship, ranging from \$100 to \$1,000.

Fees (full-fee undergraduate/postgraduate)

Tuition, examination or other fees payable to the University by an enrolled or enrolling student in connection with a course of study or attendance at the University and includes fees payable in respect of the granting of a degree, diploma, associate diploma or other award. It does not include annual subscription to organisations such as the Union or SRC or fees payable in respect of residential accommodation.

HECS

All Australian undergraduate students are currently required to contribute to the cost of tertiary education through the Higher Education Contribution Scheme (HECS) which is administered under the Higher Education Funding Act 1988. Under HECS students pay for part of the cost of their higher education and the Commonwealth pays the rest. The amount payable is determined by the units of study a student chooses to undertake in the case of coursework awards, or the attendance (full-time or part-time) in the case of research students.

Prize

Matriculation, undergraduate and postgraduate funding automatically awarded on academic results in courses, yearly examinations or on the recommendation of the Head of Department. There are also prizes for essay writing and composition by anonymous application. Prize values range from \$100 to \$6,250.

Scholarship

Matriculation and undergraduate funding by application awarded on TER results for students enrolling in the first year of a degree course. Postgraduate funding for full-time candidates enrolled in a research degree course with scholarship conditions and benefits varying according to specific awards. The intention is to encourage and support scholarship at the University in general or in targeted areas.

Assessment, Examination, Satisfactory Progress and Graduation

Academic transcript/record

The official record of results for each student (see: Results).

Appeals

The process whereby a student may raise objections regarding results, Faculty decisions or other academic matters.

Assessment

(See also: Examination) The appraisal of a student's ability throughout the semester, by various means such as essays, practical reports or presentations, which counts towards the final mark or grade.

Candidate

Someone studying for a degree or diploma. The term may also be used to describe someone sitting for an examination.

Examination

(See also: Assessment) The appraisal of a student's ability, usually at the end of semester. Most examinations take place on campus under strictly supervised conditions but some Units make use of take-home or open-book examinations.

Exclusion

A ruling by the Faculty, which declares the student ineligible for further enrolment for reasons such as lack of satisfactory progress. Students who wish to re-enrol must show good cause why they should be allowed to re-enrol (see: Show cause and Satisfactory progress).

Grievances

see appeals

Grade

A category into which a student's final mark falls (see: Results).

Graduand

A person who has fulfilled the requirements of a degree but is yet to graduate.

Graduate

(See also: Postgraduate) A person who has graduated. Also a term used to describe a course leading to an award such as Master's degree or PhD or a student enrolled in such as course.

Graduation

The ceremony during which degrees are conferred and diplomas awarded.

Honours degree

A Bachelor's degree for which extra work (course work and/or thesis) has been completed, usually requiring an extra year of study.

Mark

(See also: Grade) The numerical result of assessments and/or examinations for a Unit of Study, which may be converted to a grade.

Pass degree

A Bachelor's degree.

Re-enrolment

The process by which continuing students enrol in Units of Study.

Results

The official statement of the student's performance in each Unit of Study attempted, as recorded on the academic transcript, usually expressed as a grade:

<i>High Distinction</i>	a mark of 85% and above
<i>Distinction</i>	a mark of 75-84%
<i>Credit</i>	a mark of 65-74%
<i>Pass</i>	a mark of 50-64%
<i>Terminating Pass</i>	whereby the student is deemed to have completed Unit requirements, but is not permitted to re-enrol in order to attempt to achieve a higher grade.
<i>Fail</i>	a mark of less than 50%
<i>Withdrawn</i>	This is the same as if the candidate had not enrolled in the course concerned. Although the University has a record of the withdrawal, the course and result will not appear on the official academic transcript. There is no HECS liability either. In order to have a course recorded as "withdrawn", notice must be given by the candidate to the Faculty office on or before the deadline. Refer to the section on degree regulations.

Discontinued with Permission

This does not count as an attempt at the particular course, but does appear on the candidate's academic record. A candidate may have enrolment recorded as "discontinued with permission" where: 1. notice is given to the faculty office on or before the deadline or; 2. after the deadline, evidence is produced of serious illness or misadventure. Refer to the section on degree regulations for deadlines. Discontinuation with permission does not mean that the student's progress is considered to be satisfactory.

Discontinued

This counts as an unsuccessful attempt at the course concerned and appears on the candidate's academic record. Where notice is given after the deadline for "discontinued with permission" but before the last day of lectures for the course, the result is "Disc". Refer to the section on degree regulations for deadlines.

Absent Fail

If the candidate misses the deadline for "discontinued" and does not sit the final exam, the result is "absent fail".

Satisfactory progress

A minimum standard of performance required for continuation of enrolment. Senate resolutions rule that if a student fails or discontinues a year of candidature or a Unit of Study more than once then he or she is ineligible for re-enrolment (see: Exclusion and Show cause). Note that some faculties may have alternative or additional requirements for satisfactory progress.

Show cause

The Faculty may require a student to show good cause why he or she may be allowed to continue in the degree or diploma course, where requirements for satisfactory progress have not been met (see: Exclusion and Satisfactory progress).

Special consideration

The process whereby enrolled students who have experienced significant educational disadvantage may have their assessment deadlines or grades revised.

Study Vacation (Stuvac)

The week prior to the examination period in each semester, during which no classes are held.

Supplementary examination

An extra or alternative examination taken by a student who has experienced significant educational disadvantage during semester or the examination period. Note that some faculties do not offer supplementary examinations (see also: Special consideration).

Suspension of candidature

A complete break in the studies of an enrolled student, usually for a period of one year. Applications are handled by the Faculty office. (Those wishing to postpone commencement of a course need to apply for deferment, see: Deferment of enrolment).

Testamur

The document given to the graduand at graduation.

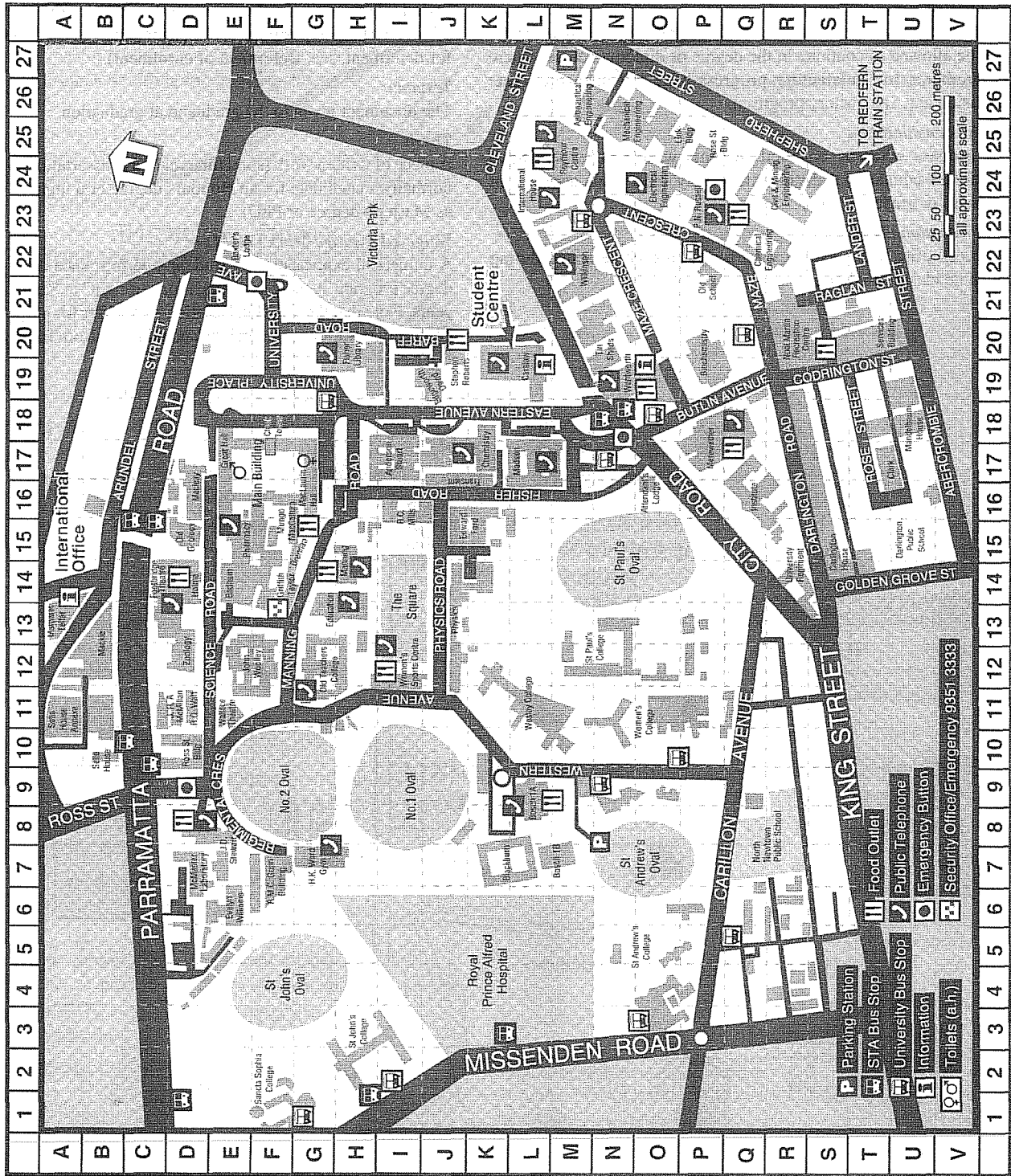
Thesis

A piece of written work (sometimes called a dissertation) by a student, normally a candidate for an Honours degree or a higher award (such as Master's degree or PhD).

Weighted Average Mark (WAM)

A numerical expression of a student's performance throughout their degree program, usually assigning more "weight" to Senior or Honours years. Note that the WAM calculation may differ for purposes such as eligibility to various scholarships and will vary from faculty to faculty.

University of Sydney - Map of Main Campus



Departments, schools and buildings - Key to Map

Academic & Executive Services	16E	Computer Science, Basser Dept	17L	Madsen Bldg	17L
Accounting	17P	Continuing Education, Centre for	13B	Mail Room (Internal)	20T
Accommodation Service	13G	Coppleson Postgraduate Medical Institute	9K	Main Bldg	17F
Administrative Policy & Strategic Planning Division	16E	Counselling Service	13G	Mandelbaum House	18U
Administrative Support Services Division	16E	Crop Sciences	13F	Manning House	14H
Aeronautical Engineering	26M	Darlington House	14S	Margaret Telfer Bldg	13A
Agricultural Chemistry & Soil Science	10D	Development Office	160	Marketing, Dept of	16Q
Agricultural Economics	11D	Disability & Welfare Services	13G	Marketing & Publications	16E
Agriculture Faculty Office	11C	Econometrics	17P	Mathematics & Statistics	19L
Alma Street Glasshouse	23 N	Economic History	17P	McMaster Laboratory CSIRO	7D
Anaesthesia	7K	Economics, Dept & Faculty Office	17P	McMillan, J.R.A., Bldg	11C
Anderson Stuart Bldg	17I	Edgeworth David Bldg	19J	Mechanical & Aeronautical Engineering Bdg	25N
Anatomy & Histology	17I	Education Bldg & Faculty Office	13G	Mechanical Engineering	25N
Animal Health	Cam	Educational Development & Evaluation	15K	Media Office	16E
Animal Science	7F	Educational Psych., Measurement 5 Technology	13G	Medical Radiation Technology	Cumb
Anthropology	16F	Edward Ford Bldg	15K	Medicine	7K
Archaeology, Classics & Ancient History	16F	Electrical Engineering	240	Medicine, Dept of	7K
Architectural & Design Science	22M	Employment Service, Casual	14C	Medicine Faculty Office	15K
Architecture, Dept & Faculty Office	22M	Engineering Faculty Office	250	Merewether Bldg	17P
Archives	19H	English	12E	Microbiology	20P
Art Workshop	20M	Equal Employment Opportunity Unit	16S	Mills, R.C., Bldg	15I
Arts Faculty Office	16F	Evelyn Williams Bldg	6E	Mungo MacCallum Bldg	15G
Asset Management	13A	Experimental Medicine	7K	Music	24M
Asian Studies	14F	External Relations Division	16E	Nicholson Museum	16G
Attendant's Lodge	160	Facilities Planning, Office of	20T	Nursing Therapeutics	Cumb
Badham Bldg & Library	14E	<i>Financial institutions:</i>		Obstetrics & Gynaecology	9K
Banks (see Financial institutions)		Commonwealth	14C	Occupational Health	15K
Baxter's Lodge	22E	Credit Union	14D	Occupational Therapy	Cumb
Behavioural S Social Sciences in Nursing	Map B	National Australia	15E	Old Geology Bldg	15D
Behavioural Science	Cumb	National Australia	19N	Old School Bldg	21P
Behavioural Sciences In Medicine	7K	Financial Services Division	16E	Old Teachers' College Bldg	12G
Biochemistry	20P	Finance, Dept of	16Q	Operations Accounting	13A
Biological Sciences	16D	Financial Management & Reporting	13A	Orange Agricultural College	OrAg
Biomedical Science	Cumb	Financial Services Division	16E	Orthoptics	Cumb
Blackburn Bldg	7K	Fine Arts	15I	Pathology	7K
<i>Bookshops:</i>		Fisher Library	19G	Personnel Services	13A
Medical	7K	Footbridge Theatre	14C	Pharmacology	7M
SRC Secondhand	19N	French Studies	15F	Pharmacy	15E
University Co-operative	16J	Garage, University	21T	Philosophy	17G
Bosch 1A (lecture theatres)	8L	Geography	16Q	Photowise Imaging	20T
Bosch 1B Bldg	7M	Geology & Geophysics	19J	Physics	13J
Brennan, C., Bldg	15F	Germanic Studies	15F	Physiology	17I
Budget Office	16E	Government & Public Administration	17P	Physiotherapy	Cumb
Business Liaison Office	11E	Great Hall	18E	Planning Support Office	16E
Business Services	19U	Greek, Modern	14F	Post Office	15E
Campus Services	20T	Griffith Taylor Bldg	14F	Printing Services, University	20T
Careers Centre	13B	Gunn, R.M.C., Bldg	7F	Properties & Investments	13A
Carslaw Bldg	19L	Health Information Management	Cumb	Psychology	14F
Cashiers	13A	Health Sciences Faculty Office	Cumb	Purchasing	13A
Central Services	22E	Health Service (Holme Bldg, Wentworth Bldg)	14C, 19N	Publications Unit	16E
Central Records Office	16E	History	15G	Public Health & Community Medicine	15K
Centre for Teaching & Learning	19L	History & Philosophy of Science	19L	Quadrangle	17F
Chancellor's Committee Shop	17F	Holme Bldg	14C	Queen Elizabeth II Resesrch Institute	9K
Chaplains' Centre	10G	Industrial Relations, Dept of	16Q	Regiment, University	14R
Chemical Engineering	22Q	Infectious Diseases	7K	Religion, School of Studies in	12E
Chemistry	17K	Information Technology Services	19U	Research & Scholarships	16E
<i>Child Care:</i>		Institute Bldg	16Q	Revenue Services	13A
Boundary Lane	16U	International Office & International Student Services	13A	Risk Management	13A
Carillon Avenue	9Q	International House	23L	Rose Street Bldg	24 P
Laurel Tree House (Glebe)	16B	International Preparation Program	20T	Ross Street Bldg	10D
Union (Darlington)	21S	Italian	15I	Russell, Peter Nicol, Bldg	23P
Civil & Mining Engineering	24R	Koori Centre	12G	St Andrew's College	50
Clark Bldg	17T	Learning Assistance Centre	13G	St John's College	3H
Clock Tower	17F	Linguistics	16J	St Paul's College	12N
Communication Disorders	Cumb	Link Bldg	250	Sancta Sophia College	1F
Community & Alumni Relations	160	Lost Property	14F	Schools Liaison	12B
Community & Mental Health Nursing	Cumb	Mackie Bldg	13B	Science Faculty Office	19L
Community Health	Cumb	MacLaurin Hall	16G	Security & Bldg Services	14F
Community Medicine	15K	Macleay Bldg & Museum	16D	Selle House	10B

