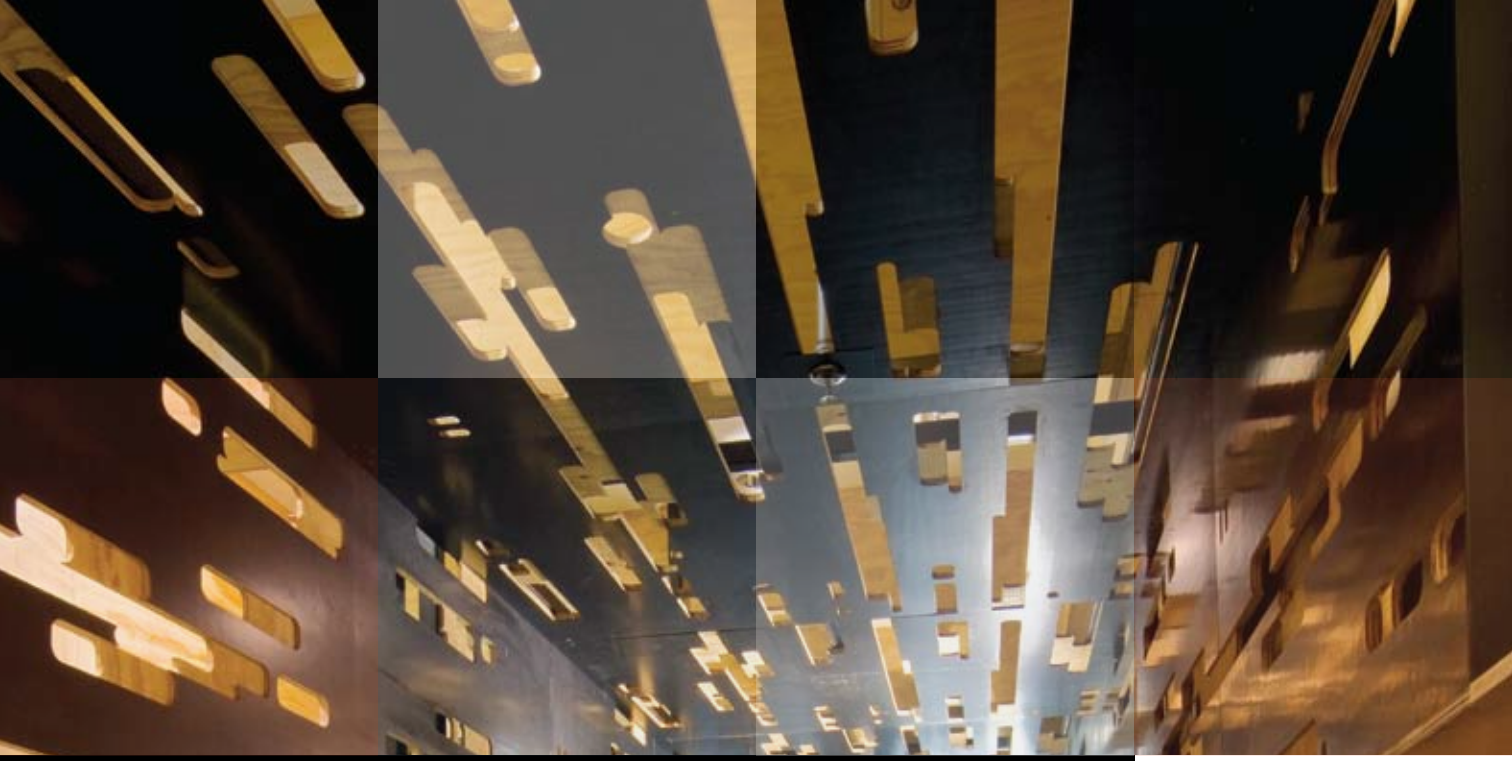
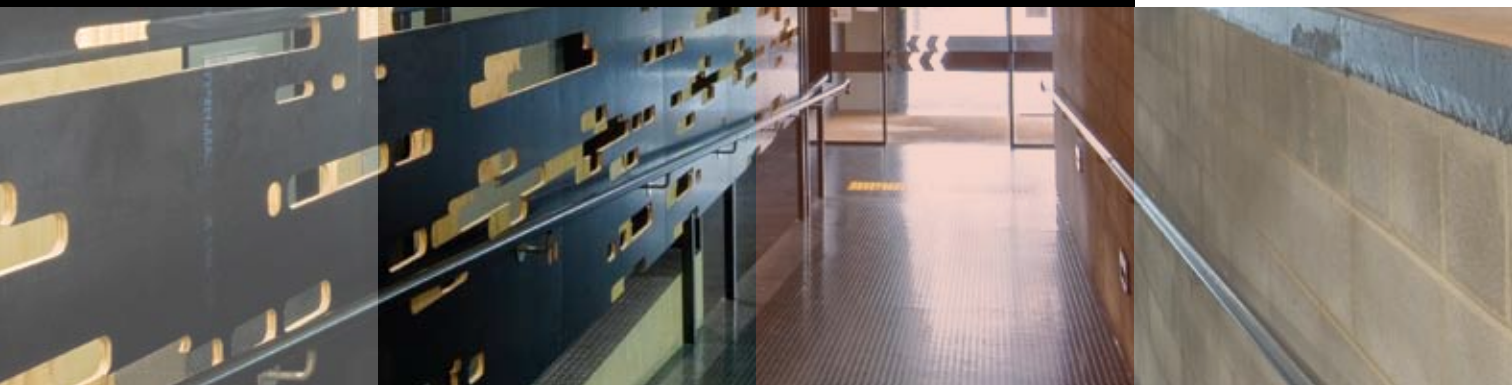


ARCHITECTURE & DESIGN

Course **Guide**

UTAS



UNIVERSITY OF TASMANIA

The University of Tasmania (UTAS) was established in 1890 and is the fourth oldest university in Australia. It is highly regarded internationally as a teaching and research institution.

The University has a total student population of over 21,000 including approximately 2,800 international students from over 80 countries.

The University offers a very beautiful, enjoyable and safe environment for study.

CAMPUSES

The University has three campuses, one in Launceston, one in Hobart and one on the Cradle Coast.

LAUNCESTON

The Launceston campuses are in Newnham and Inveresk. These campuses cater for approximately 6,000 students. There are sports areas, cafes and a range of other student facilities on the Newnham campus. The Inveresk campus is only a 10 minute walk to the city and is home to the School of Architecture & Design, the School of Visual & Performing Arts and the Queen Victoria Museum & Art Gallery.

HOBART

The Hobart campus is in Sandy Bay, about a 30 minute walk from the city centre. The campus caters for approximately 13,000 students. There are shops, sporting facilities, a medical centre, a bank and a travel agent on campus.

The School of Architecture & Design gratefully acknowledges the contribution of photographs to this course guide. Special thanks to Diana Snape (cover photograph), Philip Kuruvita, Misha Merzetti and Jonathan Wherrett.

CONTENTS

THE SCHOOL OF ARCHITECTURE & DESIGN

The School of Architecture & Design offers students courses in architecture, interior design and furniture design, combining design studio education with supporting studies in history and theory, building technology, professional practice and electives.

The teaching program emphasises an understanding of the context from which design is generated. The School is committed to a future in which social responsibility and environmental sustainability are seen as key elements in the design of the built environment. The School is recognised as a centre for the teaching, research, design and construction of sustainable environments that are:

- life-enhancing;
- socially responsive;
- environmentally sensitive;
- enriched by new information and technology; and
- informed by an understanding of the changing role of design.

The University encourages international student enrolment in both undergraduate and postgraduate degree courses. Academic staff have considerable experience in teaching and supervising students from many countries including Malaysia, China, Thailand, Singapore, India and Indonesia.

WHY CHOOSE THE SCHOOL OF ARCHITECTURE & DESIGN?

- The School is one of Australia's premier architecture and design institutions, located in an award-winning building, in the heart of Launceston's arts and cultural precinct.
- The School is unique in that it is the only architecture and design school that offers a multi-disciplinary approach incorporating interior design, furniture design and architecture through core units and electives, particularly in year one.
- Small to medium class and tutorial sizes allow for substantial contact between students and academics with greater individual student supervision.
- Our facilities are world class with specialty workshops for all three disciplines: interior design, furniture design and architecture.
- The School is gaining an enviable reputation for its highly successful Learning by Making workshops and fine furniture student designs and exhibitions.
- The School has a high profile and an outstanding success rate with national awards and scholarships won by students and graduates, including the Glen Murcutt Student Prize, Dulux Study Award, Dulux Colour Award and SWT Blythe Award.
- The School offers an exchange program for one or two semesters of study in Schools of Architecture & Design in Scotland, Denmark, Italy, Sweden and Poland.

HEAD OF SCHOOL

Professor Roger Fay is the Head of the School of Architecture & Design at the University of Tasmania. He has worked in architectural practices in Australia and the UK and taught at RMIT and Deakin University prior to joining UTAS.

Roger's teaching and research are centred on the relationships between design and sustainability. Published nationally and internationally, his research addresses life cycle energy assessment, environmental rating systems (he is the co-developer of the National Australian Building Environmental Rating System), and the role of design in housing affordability and place making to sustainability.

Roger is also an external examiner to universities in Australia, New Zealand, Malaysia and Singapore. He chairs the University's Environmental Management Group, assesses research grants for the Australian Research Council and plays an active role at State and National levels in the Australian Institute of Architects.

STAFF

Lecturers in the School of Architecture & Design include practising, award-winning architects, interior designers, furniture designers and researchers undertaking innovative work in design and architecture, in areas such as the environmental performance of buildings and the sustainable use of timber, housing affordability, design and architectural history and theory, architectural and design education, design computing and design build projects.

Teaching staff include:

Ian Clayton: Deputy Head of School and Lecturer in Design.

Dr Catriona McLeod: Deputy Head of School, Degree Coordinator, First Year Coordinator and Lecturer in Design.

Associate Professor Stephen Loo: Program Director Architecture, Associate Professor in Design, MArch Dissertation Coordinator and Director of Mulloway Studio.

Associate Professor Gregory Nolan: Director of the Centre for Sustainable Architecture with Wood (CSAW) and Lecturer in Building Technology in Design.

Simon Ancher: Program Director Furniture Design and Lecturer in Furniture Design.

Dr Jennifer Loy: Program Director Interior Design, Senior Lecturer and Research Fellow.

Geoff Clark: Senior Lecturer in Design and Director of Troppo Architects.

Dr Zbigniew Bromberek: Senior Lecturer in Building Technology in Design and Computer Aided Design.

Dr Anne Neale: Senior Lecturer and Coordinator of History & Theory in Design.

Dr Richard Burnham: Lecturer in Design and History & Theory in Design.

Justin Beall: Lecturer and Building Technology in Design Coordinator.

Associate Lecturer Stuart King: Associate Lecturer in History & Theory in Design.

Helen Norrie: Lecturer in Design.

Dr Ceridwen Owen: Lecturer in Design, Building Technology in Design and Director of Core Collective.

Louise Wallis: Lecturer in Design and Learning by Making studios and Chair of the Teaching and Learning Committee.

Sessional staff from local and interstate architectural practices and guest lecturers from national and international design practices bring richness to the School's program with their expertise.

The School also appoints adjunct staff to support teaching. These are senior members who, through their renowned practical experience, contribute to the School as guest lecturers, research associates and mentors. Adjunct staff include:

Adjunct Professor Robert Vale: Professor at the Victoria University of Wellington, New Zealand, author of many books and refereed papers on green architecture and a world authority on built environment sustainability.

Adjunct Professor Scott Balmforth: Director of the award-winning architectural practice Terroir.

Adjunct Professor Richard Blythe: Director of the award-winning architectural practice Terroir and Head of the School of Architecture and Design at RMIT.

Adjunct Professor James Jones: Director of Australian architectural practice Heffernan Button Voss and immediate past President of the Tasmanian Chapter of the AIA.

Adjunct Professor Dr Jimmy Lim: Director of CSL Associates in Malaysia and internationally acknowledged for his commitment to humane and sustainable architecture of the highest quality.

Adjunct Professor Robert Morris-Nunn: Director of the award-winning Australian practice of Morris-Nunn & Associates.

Adjunct Professor Leigh Woolley: Director of practice Leigh Woolley Architect, Architect, Urban Designer, member of the Sullivans Cove Design Panel and recipient of many awards.

Honorary Associate Dr Andras Kelly: Consulting Landscape Architect and former Head of the School of Architecture & Design.

BACHELOR OF ENVIRONMENTAL DESIGN (INTERIOR DESIGN)

Interior designers identify, research and creatively solve problems related to the function of residential and commercial spaces. They design living and working environments that increase the satisfaction, productivity and safety of people of all ages. Graduates are employed in interior design and architectural firms; in specialty areas such as kitchen, bath and lighting design; office systems planning; housing and health care facilities; universal design; facilities planning and management; historic preservation; and sales of furniture, fixtures and equipment.

Interior designers draw upon many disciplines to enhance the function, safety, and aesthetics of interior spaces. Interior designers plan interior spaces of almost every type of building, including offices, airport terminals, theatres, shopping centres, restaurants, hotels, schools, hospitals, and private residences.

Interior designers must be able to read technical drawings, understand building and fire codes, and know how to make space accessible to people who are disabled. Designers frequently collaborate with architects and building contractors to ensure that designs are safe and meet construction requirements. The Bachelor of Environmental Design (Interior Design) is a three-year full time course that prepares graduates for professional practice.

COURSE STRUCTURE

The structure of the course is based on the progressive development of skills, knowledge and understanding over three years:

- first year focuses on creativity and developing strategies for tackling design projects;
- second year provides the students with a professional approach and skills; and
- third year explores challenging briefs and allows the students to develop specialist knowledge and skills.

The units within the study areas are generally taught sequentially and there is an expectation of an increased level of achievement at each stage of the course.

The typical student workload consists of 16 hours of core study (class contact) each week. This is expected to be matched by up to two hours of private study for each one hour of class contact. Compulsory field study is part of many of the units and students may be required to attend excursions for single days, weekends or longer periods.

UNIT DESCRIPTIONS

Design Studio: investigates a series of design projects through practical, studio-based learning. Design drawing, creative thinking and sketch modeling are all explored in this unit.

Design Communication: introduces freehand, measured drawing techniques and practice, introductory CAD, two and three dimensional drawing conventions, illustration techniques for design presentation, model making, writing and verbal presentation skills.

History & Theory in Design: investigates the history and theory of western design, the study of design in society, the development of design in Australia and aspects of Asian design.

Building Technology in Design: examines external and internal environments, materials and structures, construction and services for domestic and small to medium scale buildings. These units are both studio and lecture-based.

Interior Design Studio: students develop their skills and understanding of interior design through project work. They are guided through design stages and develop fundamental skills in brief interpretation, investigation of use patterns, different usage requirements, space analysis, clarification of design aims and the development of these aims through schematic design and design development.

Interior Materials and Components: investigates the range of materials and manufactured components available for use in interior environments. The unit focuses on developing students' ability to select materials and components in relation to environmentally sustainable design and other contexts and constraints.

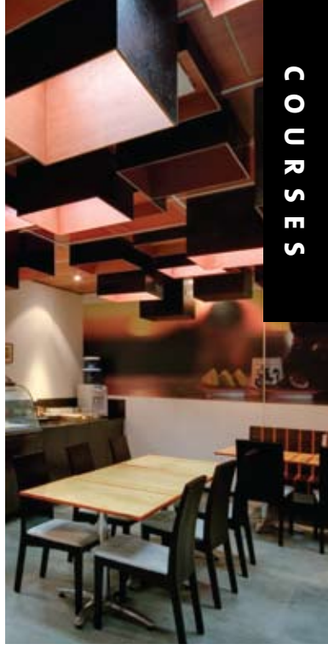
Furniture for Interiors: explores the production and selection of furniture for interior environments. Furniture function is explored through ergonomics and the role of furniture in the creation of space. Analysis of significant furniture precedents is used to develop design and aesthetic appreciation.

Healthy Interior Environments: investigates the creation of healthy interior environments within the constraints and possibilities of interiors that meet standards of human comfort and safety. The ethical responsibilities of professional designers are addressed, as well as air quality, thermal comfort and ergonomics.

Interior Lighting and Acoustics: addresses the use of light and sound in design. Examines working with light and sound within the context of the dominance of vision in interior design.

Electives: provide opportunities for students to explore selected areas of architectural design issues in greater depth than is normally possible in an undergraduate studio. These electives may include landscape architecture, Learning by Making, computer use in design, ecologically sustainable architecture, urban design and colour. Students may also take up to two electives from another school in the University, which may cover discipline areas such as humanities, art and science, which complement their studies in architecture.

	SEMESTER ONE	SEMESTER TWO
YEAR 1	Design Studio 1	Design Studio 2
	Design Communication 1	Design Communication 2
	History & Theory in Design 1	History & Theory in Design 2
	Building Technology in Design 1	Building Technology in Design 2
YEAR 2	SEMESTER ONE	SEMESTER TWO
	Interior Design Studio 1	Interior Design Studio 2
	Interior Materials & Components	Furniture for Interiors
	History & Theory in Design 3	History & Theory in Design 4
	Elective	Elective
YEAR 3	SEMESTER ONE	SEMESTER TWO
	Interior Design Studio 3	Interior Design Studio 4
	Healthy Interior Environments	Interior Lighting and Acoustics
	History & Theory in Design 5	History & Theory in Design 6
	Elective	Elective



BACHELOR OF ENVIRONMENTAL DESIGN (FURNITURE DESIGN)

Furniture Designer Makers bring new designs to their craft, innovating and pushing the boundaries of design and use of materials. They bring the traditional methods of craftsmanship into our era and redefine the relationship between form and function.

Furniture Designer Makers practice either as independent designers or work collaboratively within furniture manufacturing companies in Australia and abroad. They may choose to work as furniture designers within a multidisciplinary design team, in an interior design consultancy, in an architectural practice, or as a designer for related disciplines such as theatre design.

Sustainable design practices, production practices and the value adding of materials, identity and craftsmanship are intrinsic to the values of the Bachelor of Environmental Design (Furniture Design).

The Bachelor of Environmental Design (Furniture Design) is a three-year full time course that prepares graduates for professional practice.

COURSE STRUCTURE

The structure of the course is based on the progressive development of skills, knowledge and understanding over three years:

- first year focuses on creativity and developing strategies for tackling design projects;
- second year provides the students with a professional approach and skills; and
- third year explores challenging briefs and allows the students to develop specialist knowledge and skills.

The units within the study areas are generally taught sequentially and there is an expectation of an increased level of achievement at each stage of the course.

The typical student workload consists of 16 hours of core study (class contact) each week. This is expected to be matched by up to two hours of private study for each one hour of class contact. Compulsory field study is part of many of the units and students may be required to attend excursions for single days, weekends or longer periods.

UNIT DESCRIPTIONS

Design Communication: introduction to freehand, measured drawing techniques and practice, introductory CAD, two and three dimensional drawing conventions, illustration techniques for design presentation, model making and writing and verbal presentation skills.

History & Theory in Design: examines the history and theory of western design, the study of design in society, the development of design in Australia and aspects of Asian design.

Design Workshop: these workshops equip students with the skills and knowledge required to design, fabricate, finish and present three dimensional objects, including models and maquettes. This leads students to develop individual approaches to the design and production of various pieces of furniture from 'one off' exhibition pieces to production items.

Furniture Technology: provides students with the skills and knowledge required to produce timber products through the safe use and maintenance of hand tools, workshop machinery and new technologies. In Furniture Technology 3 and 4 students are introduced to Computer Aided Design technologies and production capabilities.

Professional Practice : develops the students' awareness of and ability to engage with the design industry. Students will analyse design related industries and markets of interest. They will understand how firms are able to test the feasibility of ideas, establish a sustainable market position and be able to integrate a select product/service and their personal characteristics into a business plan format.

Electives: provide opportunities for students to explore selected areas of architectural design issues in greater depth than is normally possible in an undergraduate studio. These electives may include landscape architecture, Learning by Making, computer use in design, ecologically sustainable architecture, urban design and colour. Students may also take up to two electives from another school in the University, which may cover discipline areas such as humanities, art and science, which complement their studies in architecture.

	SEMESTER ONE	SEMESTER TWO
YEAR 1	Design Workshop 1	Design Workshop 2
	Design Communication 1	Design Communication 2
	History & Theory in Design 1	History & Theory in Design 2
	Furniture Technology 1	Furniture Technology 2
YEAR 2	SEMESTER ONE	SEMESTER TWO
	Design Workshop 3	Design Workshop 4
	Furniture Technology 3	Furniture Technology 4
	History & Theory in Design 3	History & Theory in Design 4
	Elective	Elective
YEAR 3	SEMESTER ONE	SEMESTER TWO
	Design Workshop 5	Design Workshop 6
	Professional Practice 1	Professional Practice 2
	History & Theory in Design 5	History & Theory in Design 6
	Elective	Elective

BACHELOR OF ENVIRONMENTAL DESIGN (ARCHITECTURE)

Architects design all types of buildings, oversee their construction, negotiate with builders, and administer building contracts. They are employed by local government authorities, consulting firms, government organisations and private practice both in Australia and overseas.

An architectural education provides innovative and resourceful graduates with the knowledge and skills to succeed in a wide range of allied design activities, in addition to the mainstream of building design.

The process of architectural education requires students to undertake two consecutive courses, the Bachelor of Environmental Design (Architecture) and the Master of Architecture. They are design-based and multifaceted, encouraging a progressive development of skills, knowledge and understanding throughout the five years required to complete both courses.

To qualify as a registered architect requires (in most countries) approved experience in architectural practice in order to complete the final professional practice examination.

The Bachelor of Environmental Design (Architecture) degree is a three-year, full time course serving as a qualifying course for students wishing to enrol in the Master of Architecture. It also forms the basis for Honours courses leading to postgraduate programs, as well as opportunities to study in other disciplines such as urban design, planning and landscape architecture.

COURSE STRUCTURE

The course forms a necessary first stage in the qualifying process for an architect. The structure of the course is based on the progressive development of skills, knowledge and understanding over the three years of the course.

Thus, units within the study areas are generally taught sequentially and there is an expectation of an increased level of achievement at each stage of the course.

The typical student workload consists of 16 hours of core study (class contact) each week. This is expected to be matched by up to two hours of private study for each one hour of class contact. Compulsory field study is part of many of the units and students may be required to attend excursions for single days, weekends or longer periods.

UNIT DESCRIPTIONS

Design Studio: investigates a series of architectural design themes through the model of studio teaching with the primary focus on project work. Students are required to present all their design work for assessment at the end of each semester.

Building Technology in Design: involves the study of external and internal environments, materials and structures, construction and services for domestic and medium scale buildings. All are examined within the framework of ecological sustainability. These units are both studio and lecture based. Studio components run in conjunction with the design studios.

History & Theory in Design: these lecture and studio based units introduce students to the history and theory of western design, the study of design in Australia and aspects of Asian design. Studio components run in conjunction with the design studios.

Electives: provide opportunities for students to explore selected areas of architectural design issues in greater depth than is normally possible in an undergraduate studio. These electives may include landscape architecture, Learning by Making, computer use in design, ecologically sustainable architecture, urban design and colour. Students may also take up to two electives from another school in the University, which may cover discipline areas such as humanities, art and science, which complement their studies in architecture.

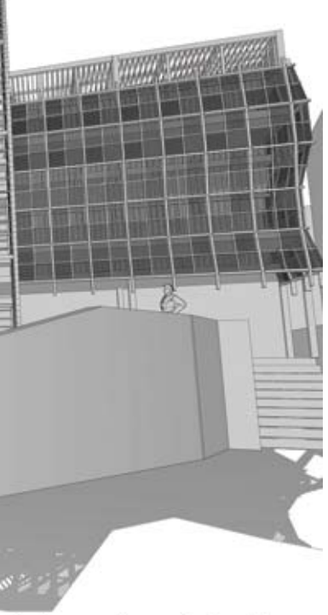
PROFESSIONAL RECOGNITION

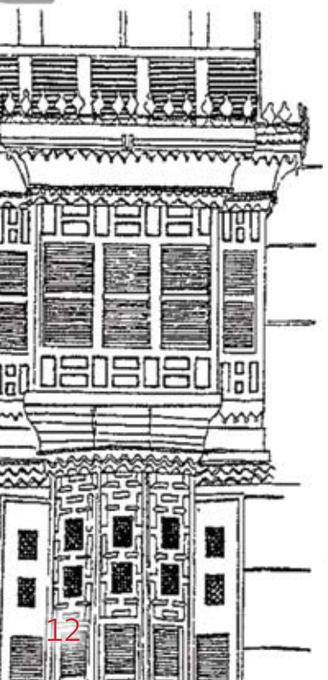
The course is a prerequisite for entry to the Master of Architecture, which fulfils the academic requirements for membership of the Australian Institute of Architects.

GRADUATE OPPORTUNITIES

In order to gain work experience and skills in preparation for further studies, graduates of this course may find employment as professional assistants in professional offices, or in local, state or national government offices.

	SEMESTER ONE	SEMESTER TWO
YEAR 1	Design Studio 1	Design Studio 2
	Design Communication 1	Design Communication 2
	Building Technology in Design 1	Building Technology in Design 2
	History & Theory in Design 1	History & Theory in Design 2
YEAR 2	SEMESTER ONE	SEMESTER TWO
	Design Studio 3	Design Studio 4
	Building Technology in Design 3	Building Technology in Design 4
	History & Theory in Design 3	History & Theory in Design 4
	Elective	Elective
YEAR 3	SEMESTER ONE	SEMESTER TWO
	Design Studio 5	Design Studio 6
	Building Technology in Design 5	Building Technology in Design 6
	History & Theory in Design 5	History & Theory in Design 6
	Elective	Elective





MASTER OF ARCHITECTURE – MArch

The course is aimed specifically at the needs of the architectural profession and aims to equip students with the knowledge, skills, competencies and awareness which are necessary for a graduate to practise architecture.

To complete the MArch successfully, students are required to demonstrate competence in the analysis, synthesis, judgment and communication of architectural ideas and solutions, as well as the ability to apply successfully acquired theoretical knowledge and technical and professional skills.

COURSE STRUCTURE

Design Studio: the core studios form the basis of architectural education. The focus of these studios is the development of a personal approach to architecture, in the context of ecological and social responsibility and client requirements.

Professional Studies: this unit focuses on the architect's responsibilities to society, clients and the profession. Contract administration, relevant statutes and management theory, as they apply to the practice of architecture, are studied.

Theory in Design: explores current theory relevant to architectural design, with studio components integrated with the design studios.

Dissertation: this in-depth design project of the student's own choice forms the culmination of the MArch program. In this full semester unit, students are required to develop their selected design project from brief formulation, through concept design, design development and constructional stages and to present the results in a professional manner. It also incorporates brief development and site investigation in preparation for the final semester's professional project.

Building Technology in Design: examines the envelope, services and interior systems of large and complex buildings within a buildings systems integration, sustainability and design-oriented framework. Focuses on sustainability assessment tools and regulations. Also covers the structuring and preparation of graphic and written contract documentation.

PROFESSIONAL RECOGNITION

The Master of Architecture is recognised by the Australian Institute of Architects (AIA) as fulfilling the academic requirements for corporate membership. MArch graduates are eligible for registration by the Australian Board of Architects following an approved practical experience program and a pass in the Architectural Practice examination. The Master of Architecture is also recognised by the Commonwealth Association of Architects and this offers opportunity for international recognition.

GRADUATE OUTCOMES

Architects deal with a broad range of issues. Consequently, the study of architecture covers a broad range of disciplines and skills. This means that architects may find a career in private architectural practice, government architectural offices, local government, performing arts, universities (as academics or in property management) and large companies. Architects may be engaged in a wide range of tasks: commercial; residential; retail and civic building design (conceptual and technical); client brief writing; urban design; planning appeal submissions; representation and assessment; stage set and exhibition design; and property and construction management. Many graduates have established careers in various countries around the world.

MASTER OF ARCHITECTURE WITH HONOURS – MArch(Hons)

The Honours stream includes additional tutorials, seminars and symposia structured to assist students in developing a research focus within their design studio work. In addition to the design stream, support is available for projects focused on research strengths of the School including sustainability, Learning by Making and history and theory. The Honours component is integral to work completed in the studio stream. This is an Honours program in the medium of design rather than by thesis, aimed at high-achieving and self-motivated architecture students. The Honours program will give students grounding in research methods with an emphasis on design-based research that will provide the basis for higher level postgraduate study. The Australian Institute of Architects Research Policy has been a guiding document in the development of the program.

ADMISSION REQUIREMENTS

ADMISSION REQUIREMENTS – BACHELOR OF ENVIRONMENTAL DESIGN

To enter the Bachelor of Environmental Design (Interior Design, Furniture Design and Architecture), the University considers for admission students who have a broad academic background and a demonstrated interest in, commitment to, and aptitude for design.

Apart from the University's general admission requirements, there are no additional prerequisites for the BEnvDes (IntDes, FurnDes and Arch) degrees. HSC/TCE or equivalent subjects preferably should not be restricted to a narrow discipline, but rather span two or more areas (for example art and science).

A limited number of quota places are available to applicants who do not meet the normal University entry requirements. Such applicants will be required to attend an interview and present a folio of creative work and/or demonstrate skills and knowledge that suggest they could successfully undertake the course.

ADMISSION REQUIREMENTS – MASTER OF ARCHITECTURE

To enter the Master of Architecture, applicants will have the Bachelor of Environmental Design (Architecture) or an equivalent three-year undergraduate degree.

An applicant's first degree program will have been in environmental design, architectural studies, or an equivalent recognised and accredited program, and the main emphasis or major will have been in architecture. In addition, students will be asked to attend an interview and submit a portfolio of work that preferably should include items from both their previous studies and relevant activities, such as office practice. International students will not be required to attend an interview if applying from their home country but may be interviewed by phone or in person if a School staff member is visiting their home country. Candidates should note that, because there are limited places available, meeting the minimum entry requirements for admission will not automatically guarantee entry to the course.

CREDIT FOR PREVIOUS STUDY (ADVANCED STANDING)

Applicants who have passed subjects or units in other approved courses (completed or otherwise) at another approved tertiary institution may have their previous studies credited towards the degree. In such cases the School will clearly specify what subjects must be successfully completed to qualify for the degree.

POSTGRADUATE AND RESEARCH OPPORTUNITIES

In its staff and postgraduate research, as well as in its teaching, the School of Architecture & Design is committed to the University of Tasmania's EDGE2 agenda: Excellence, Distinctiveness, Growth and Engagement. In our research, we aim for Excellence in our projects and their outcomes; for Distinctiveness in what we do and how we do it; for Growth in personal and collective terms; and for Engagement with our local, regional, national, international and professional communities. The School has many active researchers and postgraduate students on the staff. Our research involves a wide variety of projects and outcomes, ranging from complex computer and scientific modeling related to building design and performance, through scholarly publications in history and theory, to commercially related technical investigations and applications. The complexity and inter-relatedness of the strands comprising the profession of architecture means that research in architecture and related fields is very often interdisciplinary in nature.

The School of Architecture & Design is committed to maintaining and developing its research profile and welcomes applications from students wishing to undertake postgraduate studies at Masters or PhD level.

There are three broad areas of research in which the School has a special interest: Sustainable Design and Development; History and Theory of Architecture, Landscape Architecture and Urban Design; and Timber in Design and Construction. These broad areas can be broken down again into:

NATIONAL AND STATE DEVELOPMENT

- Centre for Sustainable Architecture with Wood (CSAW): increasingly involved in assisting the Australian timber industry to maximise recovery and value from products it produces
- Building life-cycle energy and building environmental rating systems
- Contribution to ideas about Australian cities through studio projects that focus on hypothetical interventions
- Low-impact architecture

COMMUNITY, PLACE AND CHANGE

- Learning by Making: establishing community ties through building projects
- Urban design studies
- Studies in informal housing
- History of Australian architecture, landscape architecture and urban design

ENVIRONMENT

- Development and updating of software to assist in design of environmentally conscious buildings
- Sustainable design theory and practice
- Design and planning for tourism

SUSTAINABLE DESIGN

Current research within the School of Architecture & Design addresses the environmental impacts associated with the built environment. This is now regarded as being of global importance since scientific research has confirmed that global warming, perhaps the largest threat to continued human existence, is a consequence of human activities. The construction and operation of cities has been identified as one of the most significant of those activities. One major national collaborative project has led to the development of a Building Environmental Rating System. This will assist designers and government authorities to improve the performance of buildings, thereby reducing their greenhouse gas emissions, their depletion of non-renewable resources and their emission of pollution to the biosphere.

CENTRE FOR SUSTAINABLE ARCHITECTURE WITH WOOD (CSAW)

The Centre for Sustainable Architecture with Wood is an industry-focused, strategic research facility of the School of Architecture & Design. The Centre's aim is to foster the use of timber as a building material that is efficient, economic, environmentally sustainable and socially responsible. The Centre is active across several research areas, namely:

- sustainable architecture with wood;
- use of plantation and re-growth eucalypts in building and structures;
- optimising value and material recovery from plantation and re-growth eucalypts; and
- research extension and technology transfer.

One of the Centre's current major projects is the Five Star Thermal Performance Project. This project aims to quantify and gain a better and more detailed understanding of the thermal performance of lightweight timber construction, especially forms of construction regularly used in the Australian residential sector. It specifically aims to validate the performance of the AccuRate house energy rating (HER) software for these types of construction. The project involves the construction, monitoring and analysis of six test buildings:

- three thermal performance test cells built on the University's Newnham campus. The cells match the three major construction types found in Australian housing; and
- three houses on a site in Kingston in Hobart. These three compact two-bedroom houses are to an identical plan and orientation but have different construction detail.

HISTORY AND THEORY

In addition to the history and theory of architecture, research is also undertaken on interior design and gardens, particularly in the 19th and early 20th centuries, and the nature of the relationship between Australian design in these fields and comparable work in New Zealand, Canada, Britain, the United States and similar countries.

An area of research strength in the School is in experimental digital architecture, in particular digital fabrication and human computer interfaces. A number of researchers are also producing work in the nexus between architecture, art and science, especially in interdisciplinary research involving biology, health, communities and ethics. Other research work involves the production of architectural works, and in recent years these have received recognition through the Australian Insitute of Architects Awards program and been published in national journals.

CURRENT ACADEMIC STAFF RESEARCH INTERESTS

Professor Roger Fay – Head of School
- Sustainable design
- Affordable housing

Simon Ancher
- Public furniture
- Sustainable design

Justin Beall
- Sustainable tourism
- Computer use in design

Dr Zbigniew Bromberek
- Passive and low energy architecture
- Sustainable architecture for tourism

Dr Richard Burnham
- Low-cost housing
- South Asian architecture

Geoff Clark
- Urban design particularly pertaining to sustainable cities

Ian Clayton
- Architectural education
- Learning by Making

Ross Farrell
- Optimising value and material recovery from plantation and re-growth eucalypts
- Production optimisation

Stuart King
- History and historiography of Australian architecture
- Colonial architecture
- Historical responses to the environment

Associate Professor Stephen Loo
- The relationship between ontology and architectural theory
- Contemporary ethics
- German existential philosophy

Dr Jennifer Loy
- Sustainability strategies for design
- Sustainability strategies for production
- Creative thinking in schools and higher education

Dr Catriona McLeod
- Green architecture and environmental rhetoric
- Public, environmental and installation art
- Sustainable landscape architecture

Dr Anne Neale
- 19th century architecture, design and garden history

Associate Professor Gregory Nolan
- Sustainable timber wood use of plantation and re-growth eucalypts in building and structures

Helen Norrie
- Urban design, the relationship between public buildings and public space
- Architectural criticism, exhibition and installation

Dr Ceridwen Owen
- Green architecture
- Eco-philosophy
- Eco-tourism

Dr Florence Soriano
- Thermal performance of light-weight building
- Use and optimisation of plantation and re-growth eucalypts

Louise Wallis
- Design studio teaching
- Learning by Making
- Collaborative design process

CURRENT POSTGRADUATE STUDENT RESEARCH

Peter Booth
- Digital Tectonics and the Manufacture of Architecture: Computation and Fabrication in Education and Practice

Mark Dewsbury
- The Empirical Validation of the Thermal Performance of Lightweight Framing Systems in Cool Temperate Climate – Test Cells

Detlev Geard
- The Empirical Validation of the Thermal Performance of Lightweight Framing Systems in Cool Temperate Climate – Test Houses

Anna Hooper
- Form, Order and Corruption: What is the Shape of an Idea?

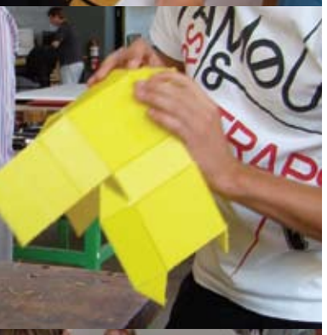
Tim Law
- Low Energy Cooling for High Rise Buildings in the Tropics

Phillip McLeod
- The Costs of Increasing the Thermal Performance of Residential Buildings

Maria Perez-Pulido
- Study of Mechanical and Acoustic Properties of Tasmanian Timbers for Violin Making

John Pott
- Between the Physical and the Digital

Sabrina Sequeira
- An Analysis of Wall Cavity and Subfloor Space Air Movement in a Residential Building with a Suspended Timber Floor, and its Effect on Thermal Performance



HOW TO APPLY

APPLICATION PROCEDURE – DOMESTIC STUDENTS

The Admissions Office at the University of Tasmania manages the application and acceptance process for domestic students.

The preferred method of application to the University of Tasmania is via the Apply-by-web facility at: **www.futurestudents.utas.edu.au/index.asp**

For information about courses on offer, admission procedures and services for students please refer to the Admission Guide: **www.futurestudents.utas.edu.au/index.asp**

APPLICATION PROCEDURE – INTERNATIONAL STUDENTS

STUDENTS APPLYING FROM THEIR HOME COUNTRY

You are welcome to apply directly or with the assistance of one of our authorised representatives. See our international website for details of our representatives in your home country: **www.international.utas.edu.au/reps/**

To apply, go to the UTAS International Students web page: **www.international.utas.edu.au** click on 'Apply Now' and follow the appropriate links.

For further information about applying as an international student, or for detailed information on all UTAS courses, campuses, facilities, fees, refund policy, rules of admissions and assessment, the ESOS Framework and an overview of the local Tasmanian environment, please contact us:

Telephone: +61 3 6226 2706
Facsimile: +61 3 6226 7862
Email: international.admissions@utas.edu.au
Web: **www.international.utas.edu.au**

LANGUAGE REQUIREMENTS – INTERNATIONAL STUDENTS

Entry to most undergraduate degree courses offered by UTAS requires a minimum English language competency equivalent to an overall score of 6.0 (with no individual band less than 5.5) in an IELTS test or 550 TOEFL, including a minimum score of 4.5 in the Written Test in English. English proficiency tests may not be required for those applicants who have conducted a substantial proportion of their education in English. Applicants who have not achieved the required level may enrol in an English language course conducted on the University campus at one of the University's English Language Centres. Courses are taught at intermediate and advanced level, and a Direct Entry Academic Program (DEAP) may be offered to those students who are able to demonstrate that they are close to meeting the University's English language requirement.

LANGUAGE SUPPORT

English Assist is available to all international students enrolled in award courses, at both undergraduate and postgraduate levels, for the duration of their degree. English Assist provides support through language and academic skills workshops, as well as individual language assistance. These services are provided at no extra cost to international students.

SCHOLARSHIPS – DOMESTIC AND INTERNATIONAL STUDENTS

For details:

Domestic students go to **www.studentcentre.utas.edu.au/scholarships/**

International students go to **www.international.utas.edu.au/static/scholarships.php**

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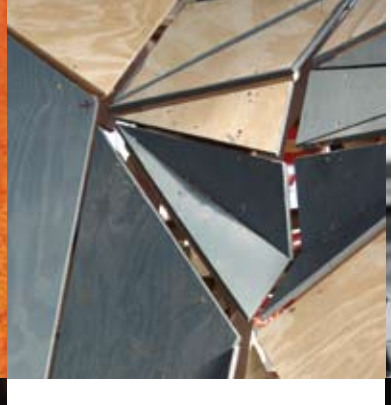


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