Architecture building and planning subjects

Subject descriptions

306-102 Accounting Concepts

See full subject details on page 395.

702-411 Advanced Construction

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Peter Ashford

Prerequisites: 702-308 Structures and Construction 3A *(p.32)* and 702-309 Structures and Construction 3B *(p.32)*

Contact: Four hours of lectures/seminars/tutorials and site visits per week *(Semester 1).*

Description: Topics include the practice of building rehabilitation, recycling, and its technical considerations; methods of investigative techniques, repair and protection of concrete structures and strengthening existing structure; the development, form and structural behaviour of spatial structures including space frames, membrane and cable supported structures with emphasis on buildability and construction aspects; the building facade, architectural, performance and construction detailing; the behaviour, construction and elementary design concepts of long span timber structures; steel fibre reinforced concrete slab technology; high strength high performance concrete; construction of superflat concrete floor slabs.

Assessment: One 2-hour examination. Written and drawn assignments equivalent to not more than 5000 words.

702-419 Advanced Construction Law

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Paula Gerber

Contact: Three hours of lectures per week *(Semester 1).*

Description: An extension of building law giving detailed treatment of select topics of particular relevance to building and construction including: contracts and contractual disputation; insurance & professional liability; occupational health and safety; taxation; remuneration; building regulations; the law of property; litigation, arbitration, and alternative dispute resolution; and industrial relations.

Assessment: One 2-hour examination, one 2000 word assignment and a mid-semester multiple choice exam.

705-481 Advanced Landscape Design

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Catherin Bull

Prerequisites: 705-435 Advanced Urban Planning and Design *(p.19)* and 705-436 Landscape Assessment and Planning *(p.27)*

Contact: Five hours of lectures and practical work a week *(Semester 1).*

Description: The subject is based on landscape design projects that will be directed by external practictioners and/or academic staff. During the course of projects each practioner's design methodology and design ethos will be shared and discussed as students work through and develop their own design responses to the project briefs. Students will be asked to investigate theoretical and conceptual ideas and to look at the practical application of these ideas during the course. At the conclusion of this subject students should be able to demonstrate advanced skills in design at varied scales and within different emphases; an understanding of alternate approaches to designing landscape through practical and theoretical applications; an understanding of their own developing design ethos; and further development in graphic and verbal communication skills.

Assessment: Written and graphic assignments of not more than 6000 words equivalent.

702-483 Advanced Quantity Surveying

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Anthony Mills

Prerequisites: 702-361 Construction Cost Planning *(p.23)*

Contact: Three hours of lectures and tutorials per week *(Semester 2).*

Description: The subject examines applications of economics, management and statistical techniques that are applied to construction economics. The subject includes: professional practice, tax depreciation, value management, construction procurement techniques.

Assessment: One 2-hour examination and staged assignments.

702-412 Advanced Services

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Peter Williams

Contact: Four hours of lectures, seminars, and tutorials per week *(Semester 2).*

Description: Topics include indoor air quality and environmental comfort, refrigeration, heating and air handling plant; air distribution; energy efficiency; evaporative cooling; active solar heating and cooling systems; non-residential electrical, telecommunications, transportation and intelligent systems; special servicing conditions including: hospitals, auditoria, industrial buildings, commercial kitchen planning, and district services; documentation of air-conditioning system designs and conduct post-occupancy evaluations of building air quality.

Assessment: Exercises (e.g. written and drawn assignments, class presentations) equivalent to not more than 5000 words during the semester plus an examination (e.g. written paper or class test) of up to two hours in duration. Satisfactory completion of this subject requires a 50% pass in the examination.

705-419 Advanced Transport Planning

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Paul Mees

Prerequisites: 705-218 Transport and Land Use Planning *(p.32)* or equivalent.

Contact: Three hours of lectures and studios per week *(Semester 2).*

Description: This subject explores the processes and skills involved in planning transport and land use in pursuit of environmentally sustainable and socially equitable outcomes. Studio-based work will provide an opportunity to apply the knowledge acquired. Three principal aspects of transport planning will be explored: 1. Planning and operation of urban public transport; 2. Designing pedestrian- and public transport-friendly urban spaces, especially 'district centres'; 3. Preparation and evaluation of regional transport plans and major infrastructure plans; 4. Preparation of local and regional travel demand management strategies. Students will have opportunity to specialise in one or more of these areas.

Assessment: Individual and group work equivalent to not more than 6000 words.

705-435 Advanced Urban Planning and Design

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Mario Gutjahr

Contact: Five hours of seminars and practical work per week *(Semester 1).*

Description: The subject presents a series of lectures, readings and studio based practical work to illustrate that planning and design processes involve varied and complex tasks; for example, to solve a planning and design problem one first needs to understand the nature of the problem or no useful outcome will emerge. It will be assumed that students have done at least one semester of previous design work. The subject develops further skills in analysis and graphic and verbal communication of urban planning and design ideas; it will address issues in current urban planning and design theory and practice; present and evaluate alternative design methods and culminate in the planning and design of a small-scaled, energy-efficient streetscape or precinct. The project work, in particular, explores urban form and image analysis as a basis for a rational and replicable urban planning and design method that responds to the economic, social, political, aesthetic and ecological contact of urban development. The studio-based work includes a short exercise, a case study/critique, and a major project comprising a number of consecutive stages including an urban form and image analysis.

Assessment: Assessment will be progressive and based entirely on the coursework exercise, project, and case study to be submitted during the semester, the whole being equivalent to approximately 6000 words.

702-101 Architectural Design 1A

Note: Formerly available as 702-101 Introduction to Design. Students who have completed Introduction to Design are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jeff Turnbull

Contact: Six hours of lectures, seminars, and tutorials per week, and additional studio work *(Semester 1).*

Description: Students will undertake a series of readings, studio-based exercises and assignments that introduce the principles and methods of analysis, abstraction, and synthesis in design thinking that are common to many design fields, including architecture, landscape architecture, and property and construction. Introduction to: basic composition and applied organisational techniques widely used by designers; the effects that program, materials, technology and the environment have on design decisions; form and expres-

sion. Assignments require the student to synthesise knowledge from concurrent studies in other subjects (particularly communications, technology and history). The emphasis will be on the design of functional objects and effective interior space.

Assessment: Assessment will be based on a major project and a review of a portfolio of assignments set during the semester. (Projects, studio tests, exercises and tutorial presentations, to the equivalent of 7500 words).

Prescribed texts: Simon Unwin, *Analysing Architecture*, Routledge, 1997.

702-103 Architectural Design 1B

Note: Formerly available as 702-103 Architectural Design and Practice 1. Students who have completed Architectural Design and Practice 1 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Stephen Cairns

Contact: Five hours of lectures, seminars, and tutorials per week *(Semester 2)*.

Description: Students will undertake a series of readings, studio-based exercises and assignments introducing them to methods of analysis, abstraction, and synthesis in design thinking that are common to the fields of building and architecture; basic composition and applied organisational techniques widely used by designers; the effects that planning and program, spatial order (and its conceptualisation), materials, technology and the environment have on design. Assignments require a synthesis with the student's concurrent studies in other subjects (particularly construction technology and communications), culminating in the architectural design of small-scaled, energy-efficient buildings with simple programs.

Assessment: Assessment will be based on a major project and a review of a portfolio of assignments set during the semester. (Projects, studio tests, exercises and tutorial presentations, to the equivalent of 7500 words).

Prescribed texts: B Lawson, *Design in Mind*, Butterworth Architecture, 1994. **or** F Ching, *Architecture: Form, Space and Order*, Van Nostrand Reinhold, New York, 1979.

702-104 Architectural Design 1C

Note: This subject is only available to mid-year and lateral entry students in BPD Architecture and BLArch. Enrolments by other degree students will be considered by the Dean on an individual basis and the subject will only be available to such students on a full-fee paying basis.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr David O'Brien

Prerequisites: 702-103 Architectural Design 1B *(p.20)*, or 705-174 Designing the Local Urban Landscape *(p.25)*

Corequisites: 702-123 Communications 1C *(p.22)*

Contact: Twelve hours of lectures, seminars, and tutorials per week, and additional studio work over six weeks *(Summer semester)*.

Description: Students will undertake a series of readings, studio-based exercises and assignments that introduce the principles and methods of analysis, abstraction, and synthesis in design thinking that are common to many design fields, including architectural design, landscape design and building. Introduction to basic composition and applied organisational techniques widely used by designers; the effects that program, materials, technology and the environment have on design decisions; form and expression. Assignments require the student to synthesise knowledge from concurrent studies in other subjects.

Assessment: Assessment will be based on a major project and a review of a portfolio of assignments set during the semester. (Projects, studio tests, exercises and tutorial presentations, to the equivalent of 7500 words).

Prescribed texts: R Clarke, *Precedents in Architecture*, Van Nostrand Reinhold, 2nd edition, 1996.

702-204 Architectural Design & Practice 2A

Note: The Summer Semester option is only available to mid-year and lateral entry students in BPD Architecture. Enrolments by other degree students will be considered by the Dean on an individual basis and the subject will only be available to such students on a full-fee paying basis.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Alex Selenitsch

Prerequisites: 702-103 Architectural Design 1B *(p.20)* or equivalent

Contact: Five hours of lectures, seminars, and tutorials per week; and additional studio work *(Semester 1, repeat Summer)*.

Description: Students will undertake a series of studio-based exercises in design that introduce techniques for analysing increasingly complex programs and their development into expressive architectural form. The subject will cover principles of architectural tectonics (such as mass, column/wall, Frame and Infill) as the synthesis of form, structure, construction, materials, program and space. Projects will also deal with the volumetric manipulation of internal architectural space; techniques for analysing complex programs and the cultural meanings and human values expressed within them, functional planning and the synthesis of plan and section to achieve architectural form that is tectonically expressive, constructionally, structurally, and environmentally sound, and responsive to its site. Along with the ability to conceptualise in three dimensions, students will develop appropriate documentation, graphic, and model-making skills, sufficient to undertake Architectural Design and Practice 2B.

Assessment: Assessment will be based on two major projects and a review of a portfolio of all assignments set during the semester (Projects, studio tests, exercises, and tutorial presentations to the equivalent of 7500 words).

702-206 Architectural Design & Practice 2B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Derham Groves

Prerequisites: 702-204 Architectural Design & Practice 2A *(p.20)*

Contact: Five hours of lectures, seminars, and tutorials per week, in addition to non-contact work *(Semester 2)*.

Description: Students will undertake one or more design projects which will focus on cultural and social aspects of the design process. Students will be required to analyse a complex program, and then express this in an architectural form. This will provide students with an opportunity to learn and develop new knowledge and skills in theory, technology, history and communications, as well as to develop their existing architectural knowledge and skill. Most importantly, students must be able to integrate these things into their design proposals. For more specific information students should refer to the Studio Guide handed out at the beginning of the semester.

Assessment: Assessment will be based on a review of a portfolio of all projects set during the semester.

702-303 Architectural Design & Practice 3

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Sandra Kaji-O'Grady & Dr Julie Willis

Prerequisites: 702-206 Architectural Design & Practice 2B *(p.20)*

Contact: Five hours of lectures, seminars, and tutorials per week; and additional studio work *(Semester 1, repeat Summer)*.

Description: Students will undertake a series of studio-based exercises in design demanding greater synthesis of diverse requirements and leading to increasingly resolved designs. Emphases include: three-dimensional spatial ordering, the development of an architectural language that can be responsive to different conditions, representation and composition and an examination of interior architectural form and landscape. Students must demonstrate an ability to work within statutory and programmatic requirements and to incorporate environmental principles. Projects facilitate the development of an understanding of techniques for analysing built context, and using this analysis to inform the design process; development of analytical and synthesising skills (including appropriate documentation, graphic, and model-making skills), along with the ability to conceptualise in three dimensions, sufficient to undertake a Design 3 studio, and which are commensurate with the skills required by the architectural profession of an architectural technical assistant.

Assessment: Assessment will be based on two major projects and a review of a portfolio of all assignments set during the semester. Projects, class tests, studio tests, exercises, and tutorial presentations to the equivalent of 7500 words.

702-403 Architectural Design & Practice 4

Credit points: 25 **HECS-band:** 2

Coordinator: Dr Paolo Tombesi

Prerequisites: 702-303 Architectural Design & Practice 3 *(p.20)*

Contact: Five hours of lectures, seminars, and tutorials per week; and additional studio work *(Semester 1)*.

Description: Students will work in groups and individually on a studio-based programme integrated by four small assignments aimed at clarifying particular issues of the larger brief. The objective of this subject is to investigate the relationship between individual buildings and urban settings whilst providing an opportunity to examine the technical and formal aspects of multi-family housing. Students are expected to 1. develop an understanding of the connection between architectural form and construction technology, boundaries and space, exterior and interior, texture and perception; and 2. be able to represent this connection concisely and clearly in a visual format. Graphic requirements emphasize hand-drawn documentation that includes different scales, from site plan to building details.

Assessment: Assessment will be based on the final presentation of the major project and a review of a portfolio of all assignments set during the semester to the equivalent of 15000 words.

702-503 Architectural Design & Practice 5

Credit points: 25 **HECS-band:** 2

Coordinator: to be advised

Prerequisites: 702-403 Architectural Design & Practice 4 *(p.20)*

Contact: Five hours of lectures, seminars, and tutorials per week; and additional studio work *(Semester 1).*

Description: Students will undertake a series of studio-based exercises directed to the design of a large-scale building complex that is responsive to its urban setting, the resolution of its programmatic environmental and technical requirements and the graphic representation of this design. This will also include part of the detailed design development and documentation and a project report that describes and illustrates the design proposal and its response to the urban, environmental, programmatic and technical issues, and in all the above demonstrate the design skills commensurate with those required by the architectural profession of a graduate architect.

Assessment: Assessment will be based on a major project and a review of a portfolio of all assignments set during the semester. Projects, studio tests, exercises, reports, and tutorial presentations, to the equivalent of 15 000 words.

702-348 Architectural Practice A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Tony Mussen

Contact: Two hours of lectures per week *(Semester 2).*

Description: A theoretical and analytical investigation of the best methods available to architects to fulfil their legal, ethical and professional obligations to clients and other parties affected by both the practice and business of architecture. Fields of study include an overview of the construction industry; the client and fee agreements, consultants and advisers; the stages of delivery; monitoring incomings and outgoings; contracts involving architects including building contracts; insurances; professional bodies and the role of continuing education.

Assessment: Assignments (e.g. exercises, essays, class presentations) equivalent to not more than 5000 words, and one examination (which could take the form of a class test) of up to two hours.

702-505 Architectural Practice B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Tony Mussen

Prerequisites: 702-348 Architectural Practice A *(p.21)*

Contact: Two hours of lectures a week *(Semester 2).*

Description: A theoretical and analytical investigation of the best methods available to architects to fulfil their legal, ethical and professional obligations to clients and other parties affected by both the practice and business of architecture. Fields of study include a further overview of the construction industry; office practice including accounting and financial reporting; employment; the procurement of buildings, tendering, building contract administration and control of cost, time and quality; quality assurance; programs and regulatory constraints.

Assessment: Assignments (e.g. exercises, essays, class presentations) equivalent to not more than 5000 words, and one examination (which could take the form of a class test) of up to two hours.

702-233 Asian Architecture A: Southeast Asia

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Stephen Cairns

Prerequisites: Any level-one fine arts/architectural history subject offered by the Faculty of Arts or the Faculty of Architecture Building and Planning (or permission of the head of department).

Contact: Two lectures and one tutorial per week *(Semester 1).*

Description: This course critically explores aspects of architecture and urbanism in the South and Southeast Asian region. It is structured according to three different frames of reference: 1. The first introduces the concepts of tradition and culture as they are taken up in architectural discourse and draws on vernacular architectural, ornamentalist, anthropological and symbolist/spiritualist discourses to elaborate these concepts. The content of this section focuses on the Candi and temple structures, domestic dwellings and palace architecture of South and Southeast Asia. 2. The second frame of reference is organised around the concepts of modernity and the nation state. It explores the ways in which traditional forms of building and settlement organisation are put to work in the architecture and urbanism of the modern state. The focus is on the planning and construction of national capitals for Sri Lanka, Bangladesh, India and Indonesia. 3. The third deals with postmodernity, the postcultural and globalisation, and explores conditions in which older, bounded notions of living and locality are complicated by contemporary forms of mobility and speed; the complex relationships between these increasingly juxtaposed forms of living are addressed. This section critically engages with corporate, entertainment, touristic and high-culture architecture in the South and Southeast Asian region. Students develop critical perspectives on architecture and urbanism in situations where tradition, modernity and globalisation intersect.

Assessment: Students may select from three different submission-options: essay, annotated bibliography and/or architectural model and drawing, to the equivalent of not more than 5000 words.

702-234 Asian Architecture B: China Korea Japan

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Qinghua Guo

Prerequisites: Any level-one fine arts/architectural history subject offered by the Faculty of Arts or the Faculty of Architecture Building and Planning (or permission of the head of department).

Contact: Two 1-hour lectures and one tutorial per week *(Semester 2).*

Description: The course will consider the history of East Asian architecture as a whole within a systematic treatment of architectural design and construction, building science and technology, garden design and city planning that make up East Asian architecture's past and present. The course lays stress equally on architecture, garden, planning with an emphasis on details. Students will develop an understanding of the tangible and intangible architectural heritage of Chinese, Korean and Japanese architecture. Students will also develop skills in information-gathering and critical analysis, essay and report-writing, visual and oral presentation techniques for the independent interpretation of buildings, gardens and places in terms of context, form, scale, technique, function and planning.

Assessment: An essay, major study (building model or CAD drawing) and class paper to the equivalent of not more than 7500 words.

702-331 Australian Architecture A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Julie Willis

Prerequisites: 702-231 Modern Architecture A: 19th Century *(p.28)* or 702-232 Modern Architecture B: 20th Century *(p.28)* or equivalent

Contact: Two lectures and one tutorial a week *(Semester 1).*

Description: Topics include the development and planning of settlements in Australia; the colonial architecture of New South Wales and Tasmania; land and building regulations, urban conditions, building techniques; the development of architecture in Melbourne from its founding to recent times and the emergence of modern architecture. Special emphasis will be placed on the Melbourne environment. Students will develop skills in the understanding and analysis of buildings and places in terms of their context, form, planning, spatial effects, construction, function and social role; and skills in information-gathering and critical synthesis, essay and report-writing, and visual and oral presentation techniques required for the independent interpretation of these insights.

Assessment: An essay, class papers, and exercises (drawn and/or written), and a visual test, to the equivalent of not more than 5000 words, and one 90-minute examination (which may take the form of a class test).

702-432 Australian Architecture B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Miles Lewis

Prerequisites: 702-331 Australian Architecture A *(p.21)*

Contact: Two lectures and one tutorial a week or the equivalent *(Semester 2).*

Description: An introduction to the history of building technology in Australia, the techniques of measuring and recording buildings, historical investigation from primary sources. The philosophy of conservation and the main avenues for researching buildings. Development of skills in the documentary and physical investigation of buildings including materials, patents, paint and wallpaper analysis.

Assessment: An investigation paper and exercises (drawn and/or written) to the equivalent of not more than 7500 words.

Prescribed texts: M Lewis, *Physical Investigation of a Building*, National Trust of Australia, Vic. 1989.

705-118 Australian Urban Planning in History

Credit points: 12.5 **HECS-band:** 2

Coordinator: Associate Professor Nick Low

Contact: Three hours of lectures and seminars per week *(Semester 2).*

Description: This subject reviews the historical development of cities and planning in Australia in the twentieth century, with most emphasis given to the post-war period, and assesses the future of planning. Australian planning is set in its international context, comparing Australian approaches with those of North America and Europe and discussing the values and understandings

which gave rise to the practice and institutions of governmental planning and land use regulation. The growth of planning practice in Australia is described and the social movements and political pressures surrounding it. Examples of strategic and statutory planning in different Australian metropolitan cities are given. The subjects follows a lose chronological path tracing the development of planning from the speculative booms and busts of the late nineteenth century, through the period of war and depression and in the first half of the century to the institutionalisation of planning in the context of the welfare sate and social democracy, and ultimately to the abandonment of large scale planning with the advent of neo-liberalism. Successes and mistakes of planning are assessed and possible future explored.

Assessment: Tutorial papers and research essay totalling not more than 4000 words.

Prescribed texts: G Davidson, *The Rise and Fall of Marvellous Melbourne*, Melbourne University Press, 1979. • R Freestone ed, *Urban Planning in a Changing World: The 20th Century Experience*, Spon, 2001. • P Hall, *Cities of Tomorrow: An Intellectual History of Urban Planning and Design in the Twentieth Century*, Blackwell, 1996. • S Hamnett and R Freestone eds, *The Australian Metropolis, A Planning History*, Allen and Unwin, 2000. • L Sandercock, *Cities for Sale*, Allen and Unwin, 1975. • BJ Gleeson, and NP Low, *Australian Urban Planning: New Challenges, New Agendas*, Allen and Unwin, 2000. • BJ McLoughlin, *Shaping Melbourne's Future?*, Cambridge University Press, 1987.

702-219 Built-Environment Sciences

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Darko Radovic

Contact: Up to four hours of lectures, tutorials, site visits, and laboratory work per week *(Semester 2)*.

Description: Thermal: Human comfort, heat flow, transmission, infiltration, control of solar impact, building envelope performance, heating and cooling loads, energy efficiency. Day lighting: perceptions, measurement and control; Artificial lighting: concepts, design calculations. Modelling: use of technical data. Acoustics: Concepts and measurement of sound and noise, reverberation time, sound absorption and transmission, electro-acoustics. Materials: Embodied energy, sustainable resources.

Assessment: Assignments (e.g. exercises, essays, class presentations), to not more than 5000 words equivalent, one examination or class test of up to 2 hours.

Prescribed texts: Energy Victoria, *Energy Efficient Housing Manual*, Melbourne, 1994.

705-273 CAD in Landscape Architecture

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jonathan Finkelstein

Semester: Semester 1

Additional details as for 702-208 CAD Systems *(p.22)*.

702-208 CAD Systems

Note: The summer semester option is only available to mid-year and lateral entry students in BPD Architecture and BLArch. Enrolments by other degree students will be considered by the Dean on an individual basis and the subject will only be available to such students on a full-fee paying basis.

Formerly available as 702-208 Computers in Architecture. Students who have completed 702-208 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jonathan Finkelstein

Prerequisites: 702-120 Communications 1A *(p.22)* and 702-121 Communications 1B *(p.22)* or the equivalent

Contact: Four hours of lectures and practical work per week *(Semester 1, repeat Summer)*.

Description: Students will undertake a series of exercises to develop an understanding of the use of CAD including 2D and 3D spatial modeling necessary for design and documentation.

Assessment: Satisfactory completion of assigned project work to the equivalent of 7500 words.

702-347 CAD Visualisation

Note: Enrolments in this subject are limited to 52 places. Please refer to the section on *Quota subjects (p.16)* for details about the selection process into this subject. Admission into this subject is limited to students enrolled in award courses in the Faculty of Architecture Building and Planning.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Bharat Dave

Prerequisites: 702-323 Computers in Architecture 3 *(p.23)* or the equivalent.

Contact: Up to 3 hours of lectures and project work per week *(Semester 2)*.

Description: The course will cover a number of essential topics in computer-based visualisation techniques including: rendering concepts and techniques; modelling 3D objects and material attributes; lights and scenes; animations; special effects; an overview of post production techniques.

Assessment: Satisfactory completion of assigned project work to the equivalent of 7500 words.

702-102 City in History

Note: The Summer Semester option is only available to mid-year and lateral entry students in BPD Architecture and BLArch. Enrolments by other degree students will be considered by the Dean on an individual basis and the subject will only be available to such students on a full-fee paying basis.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jeff Turnbull

Contact: Two lectures and one tutorial per week *(Semester 1, repeat Summer)*.

Description: An introduction to the history of architecture, building construction, urban planning and design, and landscape architecture, in the context of social, technical and environmental settings. The integration and interdependence of architectural, constructional, social, geographical and landscape factors in the development of a selection of major cities and territories during the past, will be demonstrated through lectures, tutorials, and in the reading assignments and practical exercises. An introduction to the role of historical analysis in the understanding of physical cultural artifacts in their environmental context. Exploration of the discipline of history, by involvement in structured activities, including the study of scholarly literature, practising the conventions of scholarly writing, and of class paper writing and presentation.

Assessment: An essay, class papers, exercises (drawn or written), and a visual test, to the equivalent of not more than 5000 words, and one 90-minute examination (which may take the form of a class test).

702-120 Communications 1A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Andrew Hutson

Contact: Up to four hours of lectures, seminars, and tutorials per week *(Semester 1)*.

Description: This subject introduces drawing skills appropriate to design and building. These skills are taught through a series of freehand and constructed drawing assignments held both outdoors and in the studio, and are developed concurrently with the graphic skills required in Building Technology 1A and Introduction to Design. Emphasis is given to development of orthographic and delineation skills, and to the representation of form and volume. Content includes a digital skills module.

Assessment: Assessment will be based on a review of a portfolio of assignments set during the semester. (Projects, studio tests, exercises and tutorial presentations, to the equivalent of 7500 words). Assignments may relate to work undertaken in other subjects.

Prescribed texts: D Cooper, *Drawing and Perceiving*, Van Nostrand Reinhold, 2nd Ed, 1992.

702-121 Communications 1B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Andrew Hutson

Prerequisites: 702-120 Communications 1A *(p.22)* or equivalent

Contact: Four hours of lectures, seminars, and tutorials per week *(Semester 2)*.

Description: This subject develops drawing skills appropriate to the designing and making of architecture. These skills are taught through a series of freehand and constructed drawing assignments held both outdoors and in the studio, and are developed concurrently with the graphic skills required in Construction Technology 1A and Architectural Design and Practice 1. Emphasis is given to development of perspective and rendering skills, and to the use of colour in architectural and spatial representation. Content includes a digital compositional module.

Assessment: Assessment will be based on a review of a portfolio of assignments set during the semester. (Projects, studio tests, exercises and tutorial presentations, to the equivalent of 7500 words). Assignments may relate to work undertaken in other subjects.

Prescribed texts: D Cooper, *Drawing and Perceiving*, Van Nostrand Reinhold, 2nd Ed, 1992.

702-123 Communications 1C

Note: This subject is only available to mid-year and lateral entry students in BPD Architecture and BLArch. Enrolments by other degree students will be considered by the Dean on an individual basis and the subject will only be available to such students on a full-fee paying basis.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr David O'Brien

Prerequisites: 702-121 Communications 1B *(p.22)*

Corequisites: 702-104 Architectural Design 1C *(p.20)*

Contact: Eight hours of lectures, seminars, and tutorials per week for six weeks *(Summer semester).*

Description: This subject introduces communication skills appropriate to architectural design, landscape design and building. A variety of skills are addressed including photographic representation, composition with computer graphics, freehand drawing, verbal presentation skills and conceptual drawing. These are taught through a series of assignments held both outdoors and in the studio, and are developed concurrently with the graphic and presentation skills required in Building Technology and Design.

Assessment: Assessment will be based on a review of a portfolio of assignments set during the semester. (Projects, exercises and tutorial presentations, to the equivalent of 7500 words). Assignments may relate to work undertaken in other subjects.

Prescribed texts: F Ching, *Architecture Form, Space and Order,* Wiley, 2nd Edition, 1996.

702-484 Compositional Analysis

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Haig Beck

Contact: Two hours of seminars per fortnight *(Semester 1).*

Description: The relationship between architectural theory and form, architecture as cultural practice, concepts of stylistic consistency and ideology as manifestations of architectural theory. An investigation of the literature, issues, and practices in architectural theory and compositional analysis. On completion of this subject students will have developed basic research and analytical representation skills in the subject area. Study of a topic of each student's own choice with approval of the coordinator.

Assessment: Drawn compositional analyses, project work and reports up to the equivalent of 7500 words to be submitted in accordance with the program of study.

702-323 Computers in Architecture 3

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jonathan Finkelstein

Prerequisites: 702-208 CAD Systems *(p.22)* or the equivalent with prior approval of subject coordinator.

Contact: Four hours of lectures and practical work per week *(Semester 2).*

Description: The subject will cover a number of essential topics that are necessary for the mastery of computer-aided design including: operating systems; basic customisation; programming with Lisp: three-dimensional surface; modelling and solid modelling; overview of rendering and animation; Internet publishing.

Assessment: Satisfactory completion of assigned project work to the equivalent of 7500 words.

702-361 Construction Cost Planning

Note: Formerly available as 702-361 Cost Management 3 and 702-361 Construction Cost Planning and Control. Students who have completed 702-361 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Anthony Mills

Prerequisites: 702-216 Introduction to Cost Management *(p.26)*

Contact: Three hours of lectures and tutorials per week *(Semester 2).*

Description: The subject continues examination of financial management of the construction process and practice of the professional quantity surveyor. The subjects will concentrate on preparing cost plans, construction price forecasting, and construction cost control techniques.

Assessment: One 2-hour examination. Tutorial exercises and staged assignments equivalent to not more than 7500 words.

702-319 Construction Law

Note: BPD Property & Construction students should take 702-319 in Semester 1. BArch students should take 702-519 in Semester 2.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Tony Mussen

Contact: Two hours of lectures per week *(Semester 1).*

Description: An introduction to both theoretical and practical aspects of the law. Fields of study include legal processes and the legal system; statute and common law; contract law including building contracts and implied terms; tendering; an introduction to building dispute resolution; insurance law including project insurance and professional indemnity insurance; land law and site surveys; regulatory constraints and business law.

Assessment: Assignments (e.g. exercises, essays or class presentations) equivalent to not more than 5000 words, and one examination (which could take the form of a class test) of up to two hours.

702-310 Construction Methods and Equipment

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Peter Ashford

Contact: Four hours of lectures/seminars/tutorials, and site visits per week *(Semester 2).*

Description: The subject examines the relationship between construction methods and resources such as plant, equipment and labour. Planning and equipment for site excavation, use of bentonite. Types and methods of underpinning and shoring to building excavations. Scaffolding and temporary site structures. Temporary power. Man hoists. Plant. Cranes and their deployment. Concrete pumps. The design and detailing of formwork systems including Lubeka formwork. Safety and statutory regulations of construction plant.

Assessment: One 2-hour examination paper written and drawn assignments equivalent to not more than 6000 words.

702-137 Construction Technology 1A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Clare Newton

Contact: Four hours of lectures seminars, and tutorials per week *(Semester 1).*

Description: Practice: Students will undertake a report based project introducing construction practice at a domestic scale. (Students are required to independently visit a site regularly during Semester). Structures: Modes of structural action and the behaviour of materials for a range of simple structural systems. Techniques for approximating the size of structural members. Purpose of structures in buildings; taxonomy of elements of structural systems; load paths in structures; analysis and conceptual structural design.

Assessment: Assignments (report, exercises, essays, and class presentations, equivalent of 5000 words, and one examination of up to two hours (which could take the form of a class test).

702-138 Construction Technology 1B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Blair Gardiner

Contact: Two hours of lectures and one 2-hour tutorial per week. Occasional timber workshop sessions are also required *(Semester 2).*

Description: Construction principles, materials and techniques commonly used in residential construction. Lectures follow the construction sequence include excavations, footing systems, ground slabs, brickwork, sub-floor wall and roof framing, flooring, roof coverings and drainage, windows, internal linings, fitouts, joinery, staircases, floor and wall tiling and finishes, electrical and plumbing services, external site works. Building regulations and compliance with Australian Standards.

Assessment: Assignments (e.g. exercises, site reports, class presentations, construction drawings), equivalent to not more than 5000 words, and one examination of two hours. Assignments may relate to work undertaken in other subjects.

Prescribed texts: Timber Promotion Council, *Victorian Timber Framing Manual.* • Cement and Concrete Association of Australia, *Residential Floors.* • George Wilkie, *Building Your Own Home.*

702-237 Construction Technology 2A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Blair Gardiner

Prerequisites: 702-137 Construction Technology 1A *(p.23)* and 702-138 Construction Technology 1B *(p.23)*, or the equivalent.

Contact: Up to two hours of lectures and one 2-hour tutorial per week. Students are also required to independently and regularly visit project construction sites *(Semester 1).*

Description: Construction methods, materials and detailing commonly used in commercial factories, warehouses and office buildings up to three storeys in height. Lectures follow the construction sequence and include site establishment, footing systems, basements, ground slabs, tilt slab and precast walls, drainage, steel framing, fasteners, mezzanine floors, composite construction, facades, roof and wall cladding, roof drainage, partitions and false ceilings, windows and joinery, stairs, wet areas and services. Case studies.

Assessment: Assignments (e.g. exercises, site reports, class presentations, construction drawings), equivalent to not more than 5000 words, and one examination of two hours. Exercises may relate to work being undertaken in other subjects.

702-238 Construction Technology 2B

Note: BPD (Arch) students may substitute this subject with an alternative technology subject (e.g. with an approved subject from the Faculty of Engineering).

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Clare Newton

Prerequisites: 702-137 Construction Technology 1A *(p.23)* and 702-138 Construction Technology 1B *(p.23)* or the equivalent..

Contact: Five hours of lectures, tutorials, studio and laboratory work, and site visits per week *(Semester 2).*

Description: Structures: Design of elements and of determinate structures and an introduction to indeterminate structural analysis; deflections; structural design and the role of the consultant engineer; the application of structural design codes including loading codes. Soil Mechanics: The characteristics and physical properties of rocks and soils and their influence on the design of building footings and building behaviour.

Assessment: Assignments (e.g. exercises, essays, class presentation) equivalent to not more than 5000 words and one examination up to two hours (which could take the form of a class test). Exercises may relate to work being undertaken in other subjects.

702-337 Construction Technology 3A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Peter Williams

Prerequisites: 702-237 Construction Technology 2A *(p.23)*

Contact: Six hours of lectures, tutorials, studio and laboratory work, and site visits per week *(Semester 1).*

Description: Services: Water supply including hot water heating plant and distribution systems; sanitary plumbing and drainage, sewage treatment for unsewered situations; liquid trade waste and solid refuse disposal, including incineration; stormwater and sub-soil drainage; electrical services, including telecommunications and mechanical circulation systems; space heating, fire and security control in buildings; the planning of services intensive spaces. Materials: An extension of the study of building materials such as timber and timber products, metals, plastics, concrete, masonry, glass, ceramics, sheet materials, sealants, paints and other finishes; weathering and performance over time; influence of design factors on material behaviour.

Assessment: Assignments (e.g. exercises, essays, class presentations) equivalent to not more than 5000 words and one examination of up to two hours (which could take the form of a class test). Exercises may relate to work being undertaken in other subjects. Satisfactory completion of this subject requires a 50% pass in the examination.

702-338 Construction Technology 3B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Clare Newton

Prerequisites: 702-237 Construction Technology 2A *(p.23)* or the equivalent.

Contact: Five hours of lectures, tutorials, studio and laboratory work, and site visits per week *(Semester 2).*

Description: Documentation practices, including: design development; contract documentation; detailing; specification writing; bills of quantities and coordination of consultants, contractors and authorities. Detailing of steel, concrete and timber for medium-scaled buildings. Materials selection and embodied energy.

Assessment: Assignments (e.g. exercises, essays, class presentations), equivalent to not more than 5000 words, and one examination of up to two hours (which could take the form of a class test). Exercises may relate to work being undertaken in other subjects.

702-317 Crisis & Complexity: 1950s Architecture

Availability: Not offered in 2001. Next offered in 2002.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Philip Goad

Prerequisites: 702-232 Modern Architecture B: 20th Century *(p.28)* or approved equivalent.

Contact: Three hours of lectures, tutorials and practical work per week *(Not Offered).*

Description: The formative aspects of post World War II architectural design and architectural theory. The social, theoretical and aesthetic aspects of practice in the Bay Region of California, Los Angeles, Great Britain, Scandinavia, Spain, Italy, Greece, Mexico and South America, Holland, Japan and Australia during the 1950s are examined. Concepts of monumentality and regionalism, the emerging critiques of modernism, Brutalism, the writings of Team 10, issues of ornament and self-expression, conflicting attitudes toward the notion of history, reformist approaches to urbanism and mass housing, and the influence of architectural journals during the 1950s are investigated.

Assessment: Projects, seminar paper and exercises to the equivalent of not more than 5000 words.

705-117 Culture & History of Urban Planning

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Mario Gutjahr

Contact: Three hours of lectures and tutorials per week *(Semester 2).*

Description: A cultural and historical study of cities and urban planning and design from early city cultures to 19th century urbanisation and sub-urbanisation. The subject examines some significant periods in urban history - First City cultures, Classical Antiquity, Middle Ages, Renaissance, Baroque, Neo-Classicism - in terms of the cultural and natural forces which shaped the structure and form of their great cities. Critical analyses of representative examples of urban form and style are presented. The subject considers the historical determinants of the spatial structure of cities and the physical design and form of streetscapes, public and residential buildings, gardens, squares and monuments; urban design principles and practice in western cultural tradition; the effects of changing attitudes on the design of cities in history.

Assessment: Written assignments (sketchbook, model, essay or class paper), as set throughout the semester, equivalent to 4000 words, and a 3-hour examination (which may take the form of a class test).

702-340 Design 3

Note: This subject may be substituted by a similar level design subject with the approval of the Faculty.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Haig Beck

Corequisites: 702-303 Architectural Design & Practice 3 *(p.20)*

Contact: Four hours of lectures, seminars, and tutorials per week; and additional studio work *(Semester 2).*

Description: Students will undertake a series of studio-based exercises leading to the development of a major design project based on the disciplinary or inter-disciplinary theme of the design studio they are enrolled in.

Assessment: Assessment will be based on a major design project and a review of a portfolio of all assignments set during the semester. Project, studio tests, exercises, reports, and tutorial presentations to the equivalent of 7500 words.

702-440 Design 4

Note: This subject may be substituted by a similar level design subject with the approval of the Faculty.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Steve Whitford

Corequisites: 702-403 Architectural Design & Practice 4 *(p.20)*

Contact: Four hours of lectures, seminars, and tutorials per week; and additional studio work *(Semester 2).*

Description: Students will undertake a series of studio-based exercises leading to the development of a major design project based on the disciplinary or inter-disciplinary theme of the design studio.

Assessment: Assessment will be based on a major design project and a review of a portfolio of all assignments set during the semester. (Project, studio tests, exercises, reports, and tutorial presentations to the equivalent of 7500 words).

702-540 Design 5

Note: This subject may be substituted by a similar level design subject with the approval of the Faculty.

Credit points: 25 **HECS-band:** 2

Coordinator: Dr Greg Missingham

Prerequisites: 702-574 Design Investigation *(p.25)*

Contact: Four hours of lectures, seminars, and tutorials per week; and additional studio work per week *(Semester 2).*

Description: Students will undertake a series of studio-based exercises leading to the development of a major design project based on the disciplinary or inter-disciplinary theme of the design studio requiring a detailed knowledge of a specialist aspect of design, or an inter-disciplinary specialist aspect of design and its presentation and demonstration, both graphically and orally.

Assessment: Assessment will be based on a major design project and a review as required of a portfolio of all assignments set during the semester. Project, studio tests, exercises, reports, and tutorial presentations to the equivalent of 7500 words.

702-447 Design Approaches and Methods

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Greg Missingham

Contact: Three hours of workshops/seminars per week *(Semester 2).*

Description: The subject will critically explore approaches and methods in architectural design. It aims to undertake a careful, reflective engagement with a range of design approaches in Architecture - from maximalist to minimalist, to examine their pros and cons, their ease of use, their outcomes and their utility and efficiency. The subject aims to assist students in developing a flexible and considered personal approach to architectural design so that they are able to judge which methods and approaches are useful in certain design circumstances.

Assessment: Class participation 15%, a journal to the equivalent of a maximum of 3000 words 45% and a portfolio of worked examples 40%.

702-574 Design Investigation

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Greg Missingham

Prerequisites: 702-403 Architectural Design & Practice 4 *(p.20)* and 702-440 Design 4 *(p.24)*

Contact: Individual supervised work, with group meetings where appropriate, requiring approximately twelve hours per week throughout one semester *(Semester 1).*

Description: Research training in areas chosen to give the student experience in different approaches and investigation tools. Students will gain an introductory understanding of research techniques through the investigation of a particular aspect of a wide range of architectural topics that will lead to a design program. A program of study will be prescribed by the first week of semester. Regular reports and contact with the supervisor will be required throughout the semester. The reports must show evidence of the student's capacity to handle basic source material and data, analyse it reliably, interpret it imaginatively, and present it in a coherent manner in accordance with the prescribed conventions.

Assessment: Reports to the equivalent of 7500 words to be submitted throughout the semester in accordance with the program of study including tutorial presentations.

705-236 Designing Conserved Natural Landscapes

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Ray Green

Prerequisites: 705-174 Designing the Local Urban Landscape *(p.25)*, 705-374 Introduction to Urban & Landscape Design *(p.27)*, or equivalent.

Contact: Five hours of lectures and practical work per week *(Semester 2).*

Description: This is a studio-based subject dealing with the planning, design and management of predominantly natural areas for selected use and conservation. The sites dealt with may include derelict sites for rehabilitation or natural sites for protection in urban areas, fringe areas or rural areas of natural interest, of medium scale (up to 25 ha). The techniques of site planning and design for conservation are introduced and integrated spatially with the ecological imperatives for the particular area. Concepts such as carrying capacity, core/buffer areas, habitat corridors will be explored in the spatial dimension.

Assessment: Progressive assessment of project and written work, equivalent of not more than 5000 words.

705-174 Designing the Local Urban Landscape

Note: Formerly available as 705-274/374 Introduction to Urban and Landscape Design. Students who have completed 705-274/374 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Andrew Saniga

Prerequisites: 702-101 Architectural Design 1A *(p.19)* and 702-120 Communications 1A *(p.22)* or approved equivalents

Contact: Five hours of lectures and practical work per week *(Semester 2).*

Description: This studio-based subject addresses the design of local places such as a small urban neighbourhood, concentrating on the role of the local public domain including streets, open spaces, etc. There will be evaluation of the surrounding built form and its relationship to that public domain and propositions about how that relationship should develop in the future. Basic texts in architecture, urban design, planning and environment and landscape architecture are introduced and discussed relative to the site under investigation. The processes and products of the design process from site observation and survey through analysis to design and communication (graphic, oral and written) will be introduced and applied.

Assessment: Progressive assessment of project work and written work, equivalent of not more than 5000 words.

705-235 Designing the Middle Landscape

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Virginia Brook

Prerequisites: 705-374 Introduction to Urban & Landscape Design *(p.27)* or 705-174 Designing the Local Urban Landscape *(p.25)* or equivalent; a knowledge of ecological processes is assumed.

Contact: Five hours of lectures and studio work a week. Approximately 50% of the contact hours are for project work designed to develop appropriate analytical, design and graphic communication skills. Attendance at two one-day excursions at times to be stated at the start of the semester *(Semester 1).*

Description: The scale of the urban fabric under investigation is expanded in this studio-based subject, to incorporate a whole neighbourhood and a set of inter-related open spaces, exploring their potential social and environmental contribution at a strategic level. The student is exposed to further aspects of the design process, including the design development of one of the sites already targeted at a strategic level. User and behavioural studies and aspects of community-based involvement are introduced and integrated with the design process and there is a more comprehensive investigation of the symbolic dimension of spatial design in the public realm.

Assessment: Progressive assessment of project and written work, equivalent of not more than 5000 words.

702-402 Digital Speculations

Note: Enrolments in this subject are limited to 16 places. Please refer to the section on *Quota subjects (p.16)* for details about the selection process into this subject. Admission into this subject is limited to students enrolled in award courses in the Faculty of Architecture Building and Planning.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Bharat Dave

Prerequisites: 702-347 CAD Visualisation *(p.22)* or the equivalent (with the prior approval of course coordinator).

Contact: Three hours of lectures and project work per week. (May not be offered every year) *(Semester 1).*

Description: The course is aimed at bringing together realms of design, computer modelling, and visualisation. The lecture component will be devoted to critical appreciation of digital media. The project component will require students to interpret real and imaginary 'worlds' from literature in the form of multimedia digital models. With an emphasis on experimentation, the course will require students to stretch their imagination and technical competence.

Assessment: Satisfactory completion of assigned project work to the equivalent of 7500 words.

702-343 Environmental Design

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Darko Radovic

Contact: Two hours of lectures and up to two hours of tutorials per week *(Semester 1).*

Description: Introduction to environmentally responsive and responsible architecture and urban spaces, including: environmental issues in architecture and urbanism, primary concepts in environmentally-responsive design, energy use in the built environment, effective use of energy resources, new environmentally-responsive strategies for architectural design and urban development, bioclimatic architecture and urbanism, bioclimatic regionalism and contextualism, cultural significance of bioclimatic design.

Assessment: Assignments (e.g. exercises, essays, class presentations), equivalent to not more than 5000 words, and one examination of up to two hours (which could take the form of a class test).

702-131 European Architecture A

Credit points: 12.5 **HECS-band:** 2

Coordinator: to be advised

Contact: Two lectures and one tutorial per week *(Semester 1).*

Description: A study of some formative aspects of Near Eastern and European architecture and urbanism from ancient origins to the late Middle Ages, and concurrent developments elsewhere in the world. Detailed studies of various periods within this broad spectrum are made, exploring issues of spatial organisation, construction, architectural theory, architectural grammar, and their physical, social and economic contexts. The European tradition in the design of the built environment is explored, by establishing an overall cultural framework within which an individual building or place can be located and assessed; and by the development of skills in information gathering and critical synthesis, essay and report writing, and visual and oral presentation techniques required for the independent interpretation of these insights.

Assessment: An essay, class papers, exercises (drawn or written), and a visual test, to the equivalent of not more than 5000 words, and one 90-minute examination.

702-132 European Architecture B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Miles Lewis

Prerequisites: 702-131 European Architecture A *(p.25)* or the equivalent

Contact: Two lectures and one tutorial or site visit per week *(Semester 2).*

Description: A study of some formative aspects of European architecture, landscape architecture and urbanism from the Renaissance to the 18th century, and concurrent developments elsewhere in the world. Detailed studies of various periods within this broad spectrum are made, exploring issues of spatial organisation, construction, architectural theory, architectural grammar, the physical, social and economic context of development, and the role of the architect in society.

Assessment: An essay, class papers, exercises (drawn or written), and a visual test, to the equivalent of not more than 5000 words, and one 90-minute examination (which may take the form of a class test).

705-411 GIS for Planning and Management A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Associate Professor Ian Bishop

Contact: Five hours of lectures and practical work per week *(Semester 1).*

Description: The ability of raster-based Geographic Information Systems to analyse and manage environmental data is explored using application to environmental problems. Aspects of data acquisition, secondary data generation, factor combination and GIS-based modelling are introduced as aids to environmental decision making. Links are made between GIS and decision support tools to map land suitability, viewsheds, catchments, etc.

Assessment: A series of weekly problems worth 40% of the grade, an examination worth 25% and a final project of 3000-4000 words.

705-412 GIS for Planning and Management B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Ray Wyatt

Contact: Four hours of lectures and practical work per week *(Semester 2).*

Description: The use of GIS to analyse spatial data. Its aim is to improve urban and regional planning and the management of resources and services. Industry-standard GIS software is used throughout, along with local, real-world data sets. Spatial analysis and urban modelling techniques are also employed to seek insights into both parcels-based and network-based information systems. Such work is integrated with remote sensing and artificial intelligence techniques to provide students with leading edge, market-relevant skills. Finally, the concept of an advanced, integrated GIS that acts as a decision support tool for environmental planning is discussed.

Assessment: One project of 3000 words (40%) plus a 2-hour examination (60%). As part of the preparation for these two tasks, students need to satisfactorily attempt eight small laboratory assignments.

702-217 History of Building Construction

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Miles Lewis

Contact: Two lectures and one tutorial a week or the equivalent time in field trips *(Semester 1).*

Description: A historical study of the use of materials and the means of constructing buildings from antiquity to the 20th century comparing equivalent materials and trades between cultures, and exploring the transmission of skills and techniques from one to another. Students will develop skills in information gathering and critical synthesis, essay and report writing, and visual and oral presentation techniques required for the independent interpretation of these insights.

Assessment: An essay, class paper, reports and exercises (drawn or written) to the equivalent of not more than 5000 words, and one 90-minute examination.

705-216 History of Landscape Architecture

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jeremy Pike

Contact: Three hours of lectures and tutorials per week *(Semester 2).*

Description: A critical examination of the historical development of landscape architecture, including the events, social influences and personalities involved and the philosophies and theories that were developed. Included in this subject is a review of the historical theories and legacies of landscape design that are relevant to the practice of landscape architecture in Australia today. The formative evolutionary influences of natural and cultural factors as they shaped contemporary Australian landscape. The development of public and private landscape architecture today.

Assessment: Written assignments totalling no more than 3000 words. These may include class tests taken during the semester. A 2-hour examination at the end of the semester.

702-335 Housing Diversity

Credit points: 12.5 **HECS-band:** 2

Coordinator: Associate Professor Leonie Sandercock

Contact: Four hours of lectures, tutorials, practical exercises and site visits per week *(Semester 1).*

Description: A review of housing forms and styles in response to changing social, cultural, political, economic and technological conditions. An approach to housing as a process as well as a product, and an understanding of the difference between house and home. The issue of diversity and the importance of acknowledging and providing for diversity in housing policy, design and location. Analysis of three main types of diversity in the housing market: cultural diversity, life-cycle diversity, and diversities of disadvantage. Housing as a multidisciplinary research and policy enterprise and practice.

Assessment: Assignments to the equivalent of 7500 words: group research project and a short test based on readings, a research essay, a site evaluation exercise and field trip.

702-330 Housing Sustainability

Credit points: 12.5 **HECS-band:** 2

Coordinator: Associate Professor Nick Low

Contact: Two hours of lectures and one tutorial per week *(Semester 2).*

Description: Today's housing design, technology, planning and regulation is using up the Earth's environmental resources at an unsustainable rate. But solutions to this problem are readily available. This subject explores the problem of unsustainable housing and solutions at different scales. The subject proceeds from the scale of the 'sustainable house', to the design of neighbourhoods and 'green' or environmental development, to the 'sustainable city' and its regulatory system. Along the way we look at current issues and debates. In exploring sustainable housing, the subject also provides students with a basic understanding of the Australian system of housing provision and the production, consumption, exchange and management of housing in a market society.

Assessment: Written assignments to the equivalent of 5000 words comprising tutorial exercises and a research essay.

702-140 Introduction to Architectural Studies

Note: This subject is run jointly by the Faculty and CCS&ESL. It is only available to BPD Architecture students who have sat the Diagnostic English Language Assessment and have been shown to need support. With the approval of the Dean, the subject may be taken in place of history elective 1 in BPD Architecture. A history elective must be taken in BPD Architecture Year 3.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Lindy Joubert

Contact: Five hours of lectures, seminars and tutorials per week *(Semester 2).*

Description: This subject is an introduction to the language forms and communication styles that characterise the discipline of architecture. It teaches two specific sets of strategies and skills: 1. to engage with, critically assess and communicate ideas in the discipline: 2. to efficiently access information in lectures, tutorials, studios, libraries and through the internet. These strategies and skills will be developed through introductory studies in the fields of architectural history/theory, architectural design and construction technology. On completion of this subject students should have gained: 1. enhanced skills in academic writing in the fields of architectural history/theory, design and construction technology, eg essays and technical reports; 2. enhanced skills in oral presentations and group discussions studio and tutorial contexts; 3. strategies for listening, comprehension and notetaking in lectures in the BPD and BArch courses - including the linking of material presented in graphical and verbal forms.

Assessment: Assessment will be based on written assignments, formal speaking, listening and comprehension tasks, and tutorial presentations to the equivalent of 7500 words.

702-473 Introduction to CAD

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jonathan Finkelstein

Semester: Semester 2

Additional details as for 702-208 CAD Systems *(p.22).*

702-216 Introduction to Cost Management

Note: Formerly available as 702-216 Cost Management 2 and 702-216 Introduction to Construction Cost Management. Students who have completed 702-216 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Anthony Mills

Contact: Three hours of lectures and tutorials per week *(Semester 1).*

Description: Overview of cost management issues, preliminary techniques of cost planning. Understanding of the Australian Standard Methods of Measurement including measurement techniques for bills of quantity preparation, builders estimating and bidding practice. Introductory approaches to construction cost control.

Assessment: One 3-hour examination. Tutorial exercises and staged assignment equivalent to not more than 5000 words.

Prescribed texts: Australian Institute of Building, *Australian Standard Method of Measurement of Building Works,* 5rh edition.

451-102 Introduction To Surveying (B.P.D.)

See full subject details on page 516.

705-374 Introduction to Urban & Landscape Design

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Catherin Bull

Contact: Five hours of lectures and practical work per week *(Semester 2).*

Description: Introduction to the economic, political and cultural context of environmental planning and design; theories and principles of design in architecture, landscape architecture, urban design, environmental and urban planning, particularly with regard to the place of design in these areas. Project work stressing methods of site analysis and documentation, and the design of small-scale open space. Techniques of graphic communication especially in the areas of drawing plans, sections, elevations, perspectives and freehand sketches, and in the use of pencil, pen, markers and coloured pencil. Study of relevant literature.

Assessment: Progressive assessment of project work equivalent to not more than 5000 words.

702-474 Investigation Program A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Contact a lecturer re a specific project

Prerequisites: The student should have achieved a satisfactory standard in all available subjects in the course with a direct bearing upon the study.

Contact: Individual supervised work, with group meetings where appropriate, requiring approximately twelve hours a week for a period equivalent to one semester *(Semester 1, repeat 2).*

Description: Research training in areas chosen to give the student experience in different approaches and investigation tools. A program of study will be prescribed by the first week of semester; a bibliography will normally be submitted at a prescribed date early in the semester. Regular reports and contact with the supervisor will be required throughout the semester. The reports must show evidence of the student's capacity to handle basic source material and data, analyse it reliably, interpret it imaginatively, and present it in a coherent manner in accordance with the prescribed conventions.

Assessment: Reports to the equivalent of 7500 words to be submitted throughout the semester in accordance with the program of study.

702-475 Investigation Program B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Contact a lecturer re a specific project

Semester: Semester 1, repeat 2

Additional details as for 702-474 Investigation Program A *(p.27).*

702-476 Investigation Program C

Credit points: 25 **HECS-band:** 2

Coordinator: Contact a lecturer re a specific project

Contact: Individual supervised work, with group meetings where appropriate, requiring approximately 24 hours a week for a period equivalent to one semester *(Semester 1, repeat 2).*

Description: Guided research in nominated areas, selected to give the student experience in different approaches and investigation tools. A program of study will be prescribed by the first week of semester; a bibliography will normally be submitted early in the semester. Regular reports and contact with the supervisor will be required throughout the semester. The reports must show evidence of the student's capacity to handle basic source material and data, analyse it reliably, interpret it imaginatively, and present it in a coherent manner in accordance with the prescribed conventions.

Assessment: Reports to the equivalent of 15 000 words to be submitted throughout the semester in accordance with the program of study.

702-333 Issues in Public & Environmental Art

Availability: Not offered in 2001. Next offered in 2002.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Angela Hass

Prerequisites: One one-semester subject in architectural history or art history.

Contact: Three hours of lectures, seminars and tutorials per week *(Not Offered).*

Description: The course examines the various functions of public art within contemporary societies. It further develops a methodology for assessing the meaning and viability of a work in relation to its site.

Assessment: Essays and reports up to the equivalent of 7500 words to be submitted in accordance with the program of study.

705-436 Landscape Assessment and Planning

Note: Formerly available as 705-436/636 Urban and Landscape Design 4B. Students who have completed 705-436/636 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Catherin Bull

Prerequisites: 705-235 Designing the Middle Landscape *(p.25)* or an approved equivalent.

Contact: Five hours of lectures and practical work per week *(Semester 2).*

Description: This is a studio-based subject dealing with the formulation of strategies that review the care of the broader landscape. Whole areas (scenic catchments, townships, landscape units) will be used as a basis for assessment from multiple viewpoints including the scenic, cultural and environmental where competing values are expected. Various established techniques of landscape planning will be introduced and compared through analysis, forming the theoretical basis for the formulation of strategies for use, care and management of the public and private domain. The various applicable statutory and policy frameworks will also be introduced as a basis for defining work outcomes and appropriate methods of communication. Where possible, links will be made to GIS applications. Part of the work will be carried out in teams with an emphasis on group decision making processes and the presentation of findings/proposals.

Assessment: Written and graphic assignments equivalent to not more than 6000 words.

705-484 Landscape Heritage

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Jan Schapper and Ms Karen Olsen

Contact: Three hours of lectures and practical work per week. Attendance at up to one one-day excursion or two half-day excursions at times to be stated at the beginning of the semester *(Semester 1).*

Description: Concepts of natural and cultural heritage. Heritage as a perception issue. Types of landscape heritage: wilderness and natural landscapes, aboriginal landscape, pastoral and agricultural landscapes, public and private gardens. Heritage legislation and organisations. Techniques for the assessment of landscape heritage. Case studies are used to illustrate the theory and practice of planning and managing the conservation of landscape heritage. Other types of heritage such as geological heritage.

Assessment: Individual presentations, design and written assignments equivalent to not more than 3500 words (60%). Group presentations and written assignments equivalent to not more than 2500 words (40%).

705-195 Landscape Materials

Note: Formerly available as 705-195 Landscape Technology. Students who have completed 705-195 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Ray Green

Contact: Five hours of lectures and practical work per week *(Semester 2).*

Description: Landscape Construction: landscape site work, construction of roads, paths, walls, timber structures and irrigation systems; specifications. Site Engineering: levelling, site surveys, grading, drainage earthwork, road and path alignment. Students will be introduced to the typical materials and methods of landscape construction and site engineering - paving materials, masonry, timber, lakes, ponds, levelling, contour interpolation, grading, drainage, earthwork computations and so forth; production of construction plans, grading plans, layout plans and detailed drawings; costing of landscape works; and develop their own landscape technology data and detailed files.

Assessment: Assignments equivalent to not more than 4000 words. These may include a class test at the end of the first part of the subject. A 2-hour examination at the end of the semester. Students will be required to demonstrate competence in both parts of the subject.

705-429 Landscape Practice

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Catherin Bull

Contact: Five hours of lectures and practical work per week *(Semester 2).*

Description: This subject covers the design, documentation and professional practice responsibilities involved with the development of landscape architectural projects.

Assessment: Assignments, designs and reports set during the year to the equivalent of 8000 words.

705-485 Landscape Simulation & Perception

Credit points: 12.5 **HECS-band:** 2

Coordinator: Associate Professor Ian Bishop

Contact: Five hours of lectures and practical work a week *(Not Offered).*

Description: Use of computer graphics and video technology for visual simulation and animation. Colour theory. Computer-aided design (CAD). Data structures for built form, land form and plant form. Rendering theory. Use of simulations in analysis of visual perception, and in design evaluation. Other techniques of perception research.

Assessment: Written and practical assignments equivalent to not more than 5000 words.

702-345 Management of Architectural Offices

Note: Available to 4th and 5th year architecture students only.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Tony Mussen

Prerequisites: 702-348 Architectural Practice A *(p.21)*

Contact: Two hours of seminars per week *(Not Offered).*

Description: A study of architectural offices including the analysis of organisational structures, the operational systems, the monitoring and reporting mechanisms and the management of office resources.

Assessment: Assignments (e.g. exercises, essays, class presentations and reports) equivalent to not more than 7500 words.

702-346 Management of Building Contracts

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Tony Mussen

Prerequisites: 702-348 Architectural Practice A *(p.21)*

Contact: Two hours of seminars per week *(Semester 1).*

Description: A study of building contracts including the methods available for the construction of buildings; the processes for managing cost, time and quality; procurement options and how they influence building design; building contract types and the roles of the parties and recognition and allocation of risks inherent in the tendering stage through to the expiration of the building contract.

Assessment: Assignments (e.g. exercises, essays, class presentations and reports) equivalent to not more than 7500 words.

702-117 Management of Construction 1

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Valerie Francis

Contact: Three hours of lectures, tutorials and practical sessions per week *(Semester 2).*

Description: Broad overview of the Australian Construction Industry. The parties involved in the construction process including owner, contractor, consultant, regulator and site staff. Introduction to project procurement and the concept of project life cycles. Mathematical concepts of time management. Manual calculation of small critical path networks. The tendering and bidding process.

Assessment: One 2-hour examination (50%). Tutorial exercises and assignments to the equivalent of not more than 2000 words (50%)

702-236 Management of Construction 2

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Valerie Francis

Prerequisites: 702-117 Management of Construction 1 *(p.28)*

Contact: Three hours of lectures and tutorials per week *(Semester 1).*

Description: The subject focuses on issues effecting the management of construction at the site level. Construction project planning techniques and resource management systems are introduced. The subject assumes prior understanding of manual scheduling techniques. An overview to the issues effecting the efficient use of resources such as labour, materials, plant and equipment is provided and techniques to improve labour productivity such as work study, activity sampling, incentive payment systems are presented. Contractor's cost control, industrial relations and quality assurance are also examined. Computer based techniques of time management are introduced and students carry out computer calculation of project networks of at least 30 activities.

Assessment: One 2-hour examination (50%). Tutorial exercises and assignments (50%).

702-316 Management of Construction 3

Credit points: 12.5 **HECS-band:** 2

Coordinator: to be advised

Prerequisites: 702-236 Management of Construction 2 *(p.28)*

Contact: Two hours of lectures and one hour of tutorials and seminars per week *(Semester 2).*

Description: The subject explores construction management theory and practice, through the scheduling of work and the organisational theory of the management of projects. The subject assumes prior understanding of elementary computer-based scheduling techniques, and explores more advanced time management techniques including the use of a schedule as a target, project work sequencing, updating a project schedule, reporting project progress, work planning and cash flow management. The theory component addresses understanding of the relationships and strategies employed in construction, including feedback systems, buildability, staffing a project team, company organisation, learning curves, and the relationships between clients and contractors. The assignments allow students to focus in more detail on areas of their own interest and to either complete an investigation project or to schedule a complex computer based schedule.

Assessment: One 2-hour examination (50%). Staged assignments to the equivalent of not more than 5000 words (50%).

702-632 Measured Drawing

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Miles Lewis

Contact: One introductory lecture followed by fieldwork equivalent to one hour of lectures and tutorials per week *(Semester 1).*

Description: Preparation of measured drawings of an approved building or structure to prescribed standards.

Assessment: A suite of measured drawings and the associated field notes.

702-231 Modern Architecture A: 19th Century

Note: The Summer Semester option is only available to mid year and lateral entry students in BPD Architecture. Enrolments by other degree students will be considered by the Dean on an individual basis and the subject will only be available to such students on a full-fee paying basis.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Philip Goad

Prerequisites: Any level-one fine arts/architectural history subject offered by the Faculty of Arts or the Faculty of Architecture and Planning (or permission of the head of department).

Contact: Two lectures and one tutorial per week *(Semester 1, repeat Summer).*

Description: The formative aspects of architecture from the late 18th to the early 20th centuries, with special emphasis on British architecture and associated activity in the fields of engineering and building construction, town development and landscape architecture. Detailed studies of various periods within this broad spectrum are made, exploring issues of spatial organisation, construction, architectural theory, architectural grammar, the physical, social and economic context of building, and the role of the architect in society.

Assessment: An essay, class papers, exercises (drawn or written), and a visual test, to the equivalent of not more than 5000 words, and one 90-minute examination (which may take the form of a class test).

702-232 Modern Architecture B: 20th Century

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Julie Willis and Dr Paul Walker

Prerequisites: Any level one fine arts/architectural history subject offered by the Faculty of Arts or the Faculty of Architecture and Planning (or permission of the head of department).

Contact: Two lectures and one tutorial per week *(Semester 2).*

Description: The formative aspects of architecture from the early 20th century to the present day, with special emphasis on European and North American architecture and associated activity in the fields of engineering, building construction, town development, and landscape architecture. Detailed studies of various periods within this broad spectrum are made, exploring issues of spatial organisation, construction, architectural theory, architectural grammar,

the physical, social and economic context of building, and the role of the architect in society.

Assessment: An essay, class papers, exercises (drawn or written), and a visual test, to the equivalent of not more than 5000 words, and one 90-minute examination (which may take the form of a class test).

325-201 Organisational Behaviour

See full subject details on page 415.

702-406 People & Their Workplace

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Greg Missingham

Contact: Six hours of lectures, seminars, tutorials, and practical work a week for a period equivalent to one semester *(Semester 1).*

Description: Application of Human Environment Relations (HER) theory: Meaning and identity in the built-environment; human/environment interaction, environmental psychology; psychology of perception; evaluating user satisfaction; post-occupancy evaluation, and their application to design programming and design especially in terms of issues of employee satisfaction, privacy, territoriality and personalisation of the workplace.

Assessment: A review of all assignments set during the year. Assignments to the equivalent of 7500 words.

705-415 Perceptions of the Australian Landscape

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Catherin Bull

Contact: Three hours of lectures and tutorials a week *(Semester 2).*

Description: Exploration of the way scientists, artists, writers, historians, geographers and others have responded to the Australian landscape at different times. The landscape as cultural expression. Development of Australian landscape practice. Issues for present landscape design practice. Ways in which landscape planning and design might better respond to the Australian cultural and natural landscape through an examination of case studies and critical analysis.

Assessment: Written and project work equivalent to 5000 words.

702-424 Planning and Design Studies A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Contact a lecturer re a specific project

Semester: Semester 1, repeat 2, Summer

Description: The subject provides a framework to enable students to study a special topic, such as: history, theory, computing, conservation, building science, building practice, building services, facilities planning, architectural practice, art in architecture, urban architecture, landscape architecture, urban planning, etc. Syllabus details will be made available at the beginning of the semester.

Assessment: Project work amounting to not more than 7500 words, or equivalent. Details will be made available at the beginning of the semester.

702-425 Planning and Design Studies B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Contact a lecturer re a specific project

Semester: Semester 1, repeat 2, Summer

702-426 Planning and Design Studies C

Credit points: 25 **HECS-band:** 2

Coordinator: Contact a lecturer re a specific project

Contact: Individual supervised work, with group meetings where appropriate, requiring approximately 24 hours a week for a period equivalent to one semester *(Semester 1, repeat 2, Summer).*

Description: The subject provides a framework to enable students to study a special topic, such as: history, theory, computing, conservation, building science, building practice, building services, facilities planning, architectural practice, art in architecture, urban architecture, landscape architecture, urban planning, etc. Syllabus details will be made available at the beginning of the semester.

Assessment: Project work amounting to not more than 1500 words, or equivalent. Details will be made available at the beginning of the semester.

705-338 Planning & Development: Asia-Pacific

Availability: Not offered in 2001. Next offered in 2002.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Ludmilla Kwitko

Contact: One 3-hour workshop per week *(Not Offered).*

Description: The growth of mega-urban regions in the Asia-Pacific requires a challenge to theoretical frameworks as well as planning, government structures and community relations. An understanding of local life makes management and planning decisions meaningful. However, to focus entirely on the local ignores the complexity of the immense challenges of the regional and global. In this course we will examine this interrelationship and the opportunities and problems this creates for planning within the Asia-Pacific. Specifically, students will develop skills and tools to undertake a project planning exercise which links conceptual and practical planning issues in the Asia-Pacific, on such issues as shelter and infrastructure, environment and sustainability, poverty, urbanization, migration, population, transport, and community based planning.

Assessment: One essay of 2500 words, major project and in class exercises.

705-219 Planning and Development Management

Note: Formerly available as 705-219/319 Strategic Planning and Development Management. Students who have completed 705-219/319 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Nigel Flannigan

Prerequisites: 705-173 Shaping the Metropolis *(p.31)*

Contact: Two hours of lectures and one hour of tutorials per week *(Semester 2).*

Description: This subject analyses the theories, practices and techniques applicable in the preparation of strategic plans. It also covers the implementation of strategic plans primarily, but not exclusively, through development regulation. Whilst the subject relates specifically to the Victorian planning system, it also makes comparisons with other planning systems, especially those of the United Kingdom and USA. Noteworthy topics include: theories, practices and techniques of strategic planning; implementation; public interests and goal setting; decision-making; monitoring, evaluation and assessment; issues of location and spatial structure; concepts of development management; managing urban development; use regulation: practice of zoning; development regulation; use of revenue generation and spending powers of government; planned comprehensive development including major projects in Victoria. A number of case studies are provided by guest lecturers, including: 'Heritage: case study in planning and regulation'; 'Victoria's coast: case study in coastal management'; 'Urban consolidation: case study in medium density housing'; 'Docklands: case study in planned comprehensive development'.

Assessment: One 2-hour examination, a maximum of two tutorial papers and a planning project equivalent to not more than 3000 words.

705-445 Planning Law

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Paul Mees

Contact: Three hours of lectures and tutorials per week *(Semester 1).*

Description: The course begins with an outline of the structure and content of the Planning and Environment Act 1987. The process for preparing and amending planning schemes is examined, followed by the structure and content of planning schemes, using a Melbourne municipal planning scheme as a case study. The planning permit process is discussed, with particular attention to factors affecting the exercise of discretion by planning authorities. This leads to an examination of the appeal process and the Victorian Civil and Administrative Tribunal, judicial review of planning-related decisions and issues of enforcement. The course concludes with an examination of heritage controls.

Assessment: Two written assignments equivalent to not more than 3000 words (50%), and one 2-hour examination (50%).

705-458 Planning Theory and Urban Governance

Credit points: 12.5 **HECS-band:** 2

Coordinator: Associate Professor Nick Low

Contact: Three hours of lectures and tutorials per week *(Semester 1).*

Description: This subject develops students' understanding of Australian planning practice as it is connected with urban governance and the changing city. The practice of planning in Australia and the context of the political values and institutions in which it occurs have changed radically over the last fifty years. Along with these changes, Australian cities too have changed. The subject aims to deepen understanding of the theoretical debates about urban realities and political values that have shaped planning practice since World War 2, and to encourage tomorrow's planners to take an interest in 'real reform'. The subject shows how ideas of power and ethics in society underpin modern practices of urban planning. The impact is discussed of liberal-pluralist, Marxist, critical humanist, neo-liberal, Weberian, feminist, postmodernist and ecological theories upon planning theory and practice.

Assessment: Tutorial exercises, and a research essay totalling not more than 4000 words and a 1-hour class test.

705-294 Plants & Planting Design

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jeremy Pike

Contact: Five hours of lectures and practical work per week *(Semester 1).*

Description: Trees, shrubs, climbers and ground cover plants, and factors influencing their growth and use. Ecological and botanical considerations in landscape design. The botanical and ecological context of indigenous and exotic plants commonly used in landscape design in Melbourne; cultural and aesthetic issues pertaining to the use of plants in landscape design; tree and plant growing industry in Melbourne. Students will prepare a small number of simple landscape designs, to acquire experience in synthesising ecological, botanical, cultural and aesthetic factors in designing with nature.

Assessment: A 2-hour written examination and a 2-hour plant identification examination and assignments during the semester equivalent to not more than 4000 words. These may include class tests carried out during the semester.

702-446 Political Economy of Design

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Paolo Tombesi

Prerequisites: Enrolment in the BArch or BArch/BPC, Master of Arch, Master of Planning, Master of Property and Construction, Master of Architectural Management, Master of Urban Design, or permission from the lecturer.

Contact: Three hours of lectures and seminars per week *(Semester 2).*

Description: An analysis of the socio-technical factors contributing, either by plan or by default, to the design of the built environment. At the conclusion of the subject students should be able to identify and engage with the various types of environmental conditions which are likely to affect the role of the design professions, the configuration of the building industry and the nature of its products in any given region. The final assignment requires students to demonstrate a critical understanding of the relationship between design practice, cultural values, spatial needs and industrial frameworks.

Assessment: Class participation (50%). Assignments (reports and essays) to the equivalent of not more than 7,500 words (50%)

702-413 Project Administration

Credit points: 12.5 **HECS-band:** 2

Coordinator: to be advised

Contact: Three hours of lectures and seminars per week *(Semester 1).*

Description: The administration of financial and contractual issues of the building contract throughout the construction process. Rise and fall, cash flows and disputes between owners and contractors. The general conditions for various types of Standard Forms of Contract; the role of the parties to the building contract and of other involved parties in relation to cost and time throughout the construction stage; contract adjustments in relation to time and contract sum; preparation of claims for variations, progress payments and extensions of time; calculation of the rise and fall in construction contracts; project information management systems; project cash flow, liquidity control and forecasting.

Assessment: One 2-hour examination (60%) and assignments to the equivalent of 6000 words (40%).

702-414 Project Management

Note: Formerly available as 702-414/656 Project Organisation and 702-414/656 Project Development and Management. Students who have completed 702-414/656 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: to be advised

Prerequisites: BPD 3 (Architecture or Property and Construction).

Contact: Two hours of lectures and one hour of tutorials and seminars per week *(Semester 2).*

Description: The subject examines the theory of project management of building projects, with a concentration on the skills and techniques required to manage construction, from the project development perspective. The design, finance, development, submission and presentation of project concepts is covered, together with examination of case studies from industry. The subject also looks at the nature and structure of the industry, and the context within which project management takes place. Students either work in groups to develop a major development concept submission, or they may work individually to explore the theory of project management as an investigation project.

Assessment: One 2-hour examination (40%) and staged assignments equivalent to not more than 6000 words (60%).

702-115 Property 1

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jim Smith

Contact: Three hours of lectures and tutorials per week *(Semester 2).*

Description: Concept of real property and improvements to and on land. Property and the economy. A broad overview of property markets and submarkets. Introduction to investment and yield. Basic financial mathematics. An introduction to the principles of valuation and appraisal. Property planning, location theory. Property development. Housing finance and economics. Computer spreadsheets.

Assessment: One 3-hour examination (50%). Assignments totalling no more than 5000 words (50%).

702-211 Property 2

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Jon Robinson

Prerequisites: 702-115 Property 1 *(p.30)*

Contact: Two hours of lectures and up to two hours of tutorials and seminars per week *(Semester 2).*

Description: Application of financial mathematics to property valuation and analysis. Further investment theory. Property market analysis; commercial, retail, industrial, residential markets. Property investment analysis and discounted cash flow. Valuation theory and practice; the income, cost and market comparison approaches. Property management, statutory costs and building operating costs.

Assessment: One 2-hour examination (50%). Assignments totalling no more than 5000 words (50%).

702-353 Property 3

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Jon Robinson

Prerequisites: 702-211 Property 2 *(p.30)*

Contact: Two hours of lectures and up to two hours of tutorials and seminars per week *(Semester 1).*

Description: Asset valuation and financial analysis: Price and worth. Valuation for statutory purposes. Compulsory acquisition and compensation. Property finance and taxation. Property market analysis, the property and business.

Property law: The concept of property and ownership in Australia. The General Law and Torrens land registration systems. The nature, creation, acquisition, disposal, enforceability, priority and registration of property interests, including possession, easements, restrictive covenants, fixtures and chattels. Licences and leases.

Assessment: One 2-hour examination (50%). Assignments totalling no more than 5000 words (50%).

702-415 Property Asset Management

Note: Formerly available as 702-415/658 Building Economy. Students who have completed 702-415/658 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jim Smith

Contact: Two hours of lectures and up to two hours of tutorials and seminars per week *(Semester 2).*

Description: Corporate real estate. Financial analysis of capital works. Strategic planning and accommodation decisions. Terotechnology, life cycle costing and cost benefit analysis. Depreciation and obsolescence and its effect on building value. Building asset and maintenance management. Development leases and construction and maintenance contract procedures. A basic understanding of financial mathematics is assumed.

Assessment: One 2-hour examination (50%). Assignments totalling no more than 5000 words (50%).

702-418 Property Development & Investment

Note: Formerly available as 702-418/659 Land Economy. Students who have completed 702-418/659 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Jon Robinson

Prerequisites: 702-353 Property 3 *(p.30)* or 333-201 Business Finance *(p.413)* or equivalent

Contact: Three hours of lectures and tutorials per week *(Semester 1).*

Description: The property industry. The valuation and analysis of investment real estate. Quantitative methods and financial analysis applied to property. The development of real estate. The regulation of land development. Feasibility/viability/sustainability studies. Residual valuation. The effect of town planning on land values. The property/business/economic cycle. Property market research.

Assessment: One 2-hour examination (50%). Assignments totalling not more than 5000 words (50%).

702-355 Property Management

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Graham Brawn

Contact: Three hours of lectures and tutorials per week *(Semester 2).*

Description: An introduction to property management. Buildings in use. Value management. Building operations and maintenance; information bases. Building pathology. Asset management; facilities management and planning. Sustainability issues in property management - the 'new ethic'.

Assessment: Assignments totalling 5000 words (50%) and one 2-hour examination (50%).

702-334 Rendering as a Graphic Communication

Note: Enrolments in this subject are limited to 48 places. Please refer to the section on *Quota subjects (p.16)* for details about the selection process into this subject. Admission into this subject is limited to students enrolled in award courses in the Faculty of Architecture Building and Planning.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Lisle Rudolph

Contact: Three hours per week of studio demonstration and practical workshop sessions per week *(Semester 2).*

Description: Demonstrations and studio practice in advanced techniques of architectural rendering, ranging from conceptual drawing to presentation drawings of buildings in their contexts. Different media will be used, and compared for their potential to communicate ideas at various stages in the design process.

Assessment: Two major renderings and a review of a folio of all workshop exercises equivalent to not more than 7500 words.

705-401 Research Project A

Credit points: 50 **HECS-band:** 2

Coordinator: to be advised

Contact: A research project and writing of a report under supervision throughout the year *(Year long).*

Description: Regular meetings will be held with the supervisor during Semester 2 for advice on subject matter and technical execution of the work. One oral progress report will be required at the end of first semester. Students will develop an insight into a specific area of research and experience in basic research methods such as literature search, objective setting, data collection and problem-solving; develop an ability to handle source materials and data, and to interpret and present them in a coherent manner in accordance with accepted conventions.

Assessment: Written report of up to 25 000 words to be submitted at the end of Semester 2. The report must first be presented orally at a seminar. Although the seminar is not assessed, the report cannot be accepted unless there has been a presentation at a seminar.

705-402 Research Project B

Credit points: 37.5 **HECS-band:** 2

Coordinator: to be advised

Contact: A research project and writing of a report under supervision throughout the year *(Year long).*

Description: Regular meetings will be held with the supervisor during second semester for advice on subject matter and technical execution of the work. One oral progress report will be required at the end of Semester 1. Students will develop an insight into a specific area of research and experience in basic research methods such as literature search, objective setting, data collection and problem-solving; develop an ability to handle source materials and data, and to interpret and present them in a coherent manner in accordance with accepted conventions.

Assessment: Written report of up to 20 000 words to be submitted at the end of Semester 2. The report must first be presented orally at a seminar. Although the seminar is not assessed, the report cannot be accepted unless there has been a presentation at a seminar.

705-403 Research Project C

Credit points: 25 **HECS-band:** 2

Coordinator: to be advised

Contact: A research project and writing of a report under supervision throughout the year *(Year long).*

Description: Regular meetings will be held with the supervisor during Semester 2 for advice on subject matter and technical execution of the work. One oral progress report will be required at the end of Semester 1. Students will develop an insight into a specific area of research and experience in basic research methods such as literature search, objective setting, data collection and problem-solving; develop an ability to handle source materials and data, and to interpret and present them in a coherent manner in accordance with accepted conventions.

Assessment: Written report of up to 15 000 words to be submitted at the end of Semester 2. The report must first be presented orally at a seminar. Although the seminar is not assessed, the report cannot be accepted unless there has been a presentation at a seminar.

702-313 Sculpture Workshop

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Angela Hass

Prerequisites: 702-333 Issues in Public & Environmental Art *(p.27)*, or submission of a site-specific design for a public sculpture.

Contact: Workshop classes at specified times for the equivalent of one semester *(Semester 2).*

Description: A hands-on workshop exploring the techniques and processes leading to the creation and siting of a sculptural work of art. The various phases of the creative process will be documented in drawings through to the execution of the work in maquette form. There will be a charge made for materials used in this subject. On completion of the program students should have a basic knowledge of the techniques and processes involved in the creation and siting of sculptural works of art and have developed an understanding of the function of art in the built environment.

Assessment: Sculptural project work and reports up to the equivalent of 4000 words.

705-173 Shaping the Metropolis

Note: Formerly available as 705-273/373 Introduction to Urban Planning and Development. Students who have completed 705-273/373 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Nigel Flannigan

Contact: Two hours of lectures and one hour of tutorials per week *(Semester 1).*

Description: This subject analyses the processes of urban development: the means by which the factors of production, land, labour and capital, are brought together in the development of the built environment. It covers the role of various individuals, groups, organisations, governments, and government departments and agencies in urban development and their relative influence in the process. It analyses the rationale for urban planning and the means by which it occurs in Victoria. Noteworthy topics include: the role and significance of real estate and its ownership in urban development; the social implications of urban development and the built environment; the effects of urban development and the rationale for planning and regulation; the concept of urban planning and its role in the process of urban development; the origin and evolution of planning in Australia; the status and scope of planning in Victoria; the components of a 'planning scheme' under Victoria's Planning and Environment Act; administrative procedures for Victoria's planning schemes; regulation of use and development under Victoria's planning schemes.

Assessment: One 2-hour examination, a maximum of two tutorial papers and assignments of not more than 3000 words.

705-457 Shopping and Retailing

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Nigel Flannigan

Prerequisites: Knowledge of 705-173 Shaping the Metropolis *(p.31)* or equivalent will be assumed.

Contact: Four hours of lectures, seminars and practical work per week. An excursion may be arranged in the vacation following the semester in which the subject is taught *(Semester 1).*

Description: This subject analyses the interplay between private sector developers and public sector planners for the provision of shopping and retailing opportunities. It covers the theory, practice and techniques for the planning of shopping facilities: USA, UK and Australia comparison. Appropriate survey and analytical techniques are introduced. Noteworthy topics include: theories and practices of retail distribution; planning for retailing: planning processes; Market analysis: forecasting demand for goods and services; the ABS household expenditure survey; introduction to psychographic segmentation; translation of consumer demand into floorspace need and provision; trends in shopping and shopping facilities; government policies on retailing and shopping centres; microeconomic order in shopping districts & shopping centres; planning and development of corporate shopping centres; revitalisation of traditional shopping streets.

Assessment: One 2-hour examination, a maximum of two tutorial papers and a planning project equivalent to not more than 4000 words.

705-296 Site Engineering

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Jeremy Pike

Prerequisites: 705-195 Landscape Materials *(p.27)* or equivalent

Contact: Five hours of lectures and tutorials work per week *(Semester 2).*

Description: Topics include: the grading of complex sites; surface water drainage, management and disposal; land reclamation and the rehabilitation of degraded soils and sites; erosion controls; sporting and recreational facilities; and site lighting; further design of timber structures and metalwork. Computer applications; at the conclusion of the subject students should be able to: demonstrate an understanding of site engineering issues; demonstrate an understanding of land reclamation and rehabilitation issues and techniques; demonstrate an understanding of techniques of site services and drainage, and their coordination; have acquired knowledge of emerging technologies in these areas and demonstrate the skills to critically assess these; have developed skills in the design, documentation and coordination of all aspects of site works.

Assessment: Written and graphic assignments equivalent to not more than 4000 words.

705-112 Skills for Urban Planning and Management

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Mario Gutjahr

Contact: Two hours of lectures and two hours of computer laboratory work per week. It is assumed that students will have basic computer skills in WORD 95/98, email, internet, spreadsheets (EXCEL) *(Semester 1).*

Description: The subject develops students' ability to search for and analyse various kinds of urban planning data and to present material effectively in graphic form, in writing, in statistical form and in the spoken word. It covers: Simple computer-aided design [Autocad] and simulation [Photoshop]. Interpretation (and production) of topographic maps, plans and design concepts; aerial photography. Introduction to desk top mapping [MapInfo]; thematic mapping. Census & Statistical Data: Time series and other statistical data sources (ABS), CData96 and CLib96.PData retrieval and usage. Layout & structure of reports & essays: critical reading and thinking; structuring an argument; public speaking & debating; organisation of information; audience orientation; visual support material principles of logic. Style, syntax and written expression. Introduction to University Library catalogue -Innopac, searching articles, referencing and bibliographic techniques; Introduction to GIS (Geographic Information Systems). Statistics for urban planning: data sources, sampling, questionnaires, variables, frequency distributions, generalizations, probability and sampling, binomial distribution, normal distribution, tests of significance, test hypothesis, chi-square distribution.

Assessment: Weekly written/computer assignments not exceeding 3,500 words including some verbal presentations, class participation.

705-437 Social Planning for Urban Diversity

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Ruth Fincher

Contact: Three hours of seminars and lectures per week *(Semester 2).*

Description: The aim of this subject is to consider how planning policy and practice caters to social and economic diversity within the population it serves. No longer able to envisage a unitary 'public interest' for which it regulates and manipulates the built environment, how does planning respond to different 'publics', taking into account gender issues, multiculturalism and the demands and needs of indigenous groups, youth and frail older people, people of different income groups and household types? This subject starts by identifying different 'groups' of people, and asks how the planning and management of urban built environments responds to and represents their lives and needs. The type of 'planning' envisaged in our discussions varies, though could be summarised as major interventions in urban built environments, often by government institutions alone or in partnership with other government or non-government bodies, to advance some social or economic purpose.

Assessment: Written group assignment, with students presenting their work orally. Students to write individual essays from their group work, for assessment purposes. Maximum 5000 words.

702-308 Structures and Construction 3A

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Peter Ashford

Prerequisites: 702-237 Construction Technology 2A *(p.23)* and 702-238 Construction Technology 2B *(p.24)*

Contact: Six hours of lectures, tutorials and site visits per week *(Semester 1).*

Description: Structures and Construction 3A is an extension of the structural behaviour given in the structures and construction sections of Construction Technology 2A and 2B. The use, behaviour and elementary structural design of reinforced concrete, pre-stressed concrete and timber. The documentation of such designs for construction purposes. Selection of structural systems. Concrete surface finishes and shotcreting.

Assessment: One 2-hour examination; written and drawn assignments and tests equivalent to not more than 5000 words.

702-309 Structures and Construction 3B

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Peter Ashford

Contact: Six hours of lectures, tutorials and site visits per week *(Semester 2).*

Description: Structures and Construction 3B is an extension of the structural behaviour, design and construction given in Structures and Construction 3A. More advanced aspects of design detailing and documentation of concrete, and steel. Prefabrication of building elements. Precast concrete construction and steel portal frames. Concrete ground slabs and basement construction. Composite and tilt slab construction.

Assessment: A 2-hour examination paper. Written and drawn assignments and tests equivalent to not more than 5000 words.

702-460 Studies in Contemporary Architecture

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Philip Goad

Prerequisites: 702-232 Modern Architecture B: 20th Century *(p.28)* or approved equivalent.

Contact: Three hours of lectures and tutorials per week *(Semester 2).*

Description: The formative and theoretical aspects of architecture and urban design of the last ten years. Current concepts and approaches to architectural design will be examined through detailed cases studies of recently completed buildings and theoretical texts. Digital design methods, new approaches to urban form, innovations in sustainable architecture, advanced construction technology, and critical discussions of cyberspace, postcolonial identity, urban consolidation and artificial landscapes will form part of the subject. The subject will include work by architects with diverse theoretical positions such as Greg Lynn, Kazuyo Sejima, MVRDV, Rem Koolhaas, Matthias Klotz and Peter Zumthor.

Assessment: Projects, seminar paper and exercises to the equivalent of not more than 5000 words.

702-305 Theories of Architecture

Credit points: 12.5 **HECS-band:** 2

Coordinator: Ms Sandra Kaji-O'Grady

Contact: Four hours of lectures and seminars a week *(Semester 1).*

Description: This subject offers an introduction to critical and speculative thinking on architecture in the broader context of philosophical schools of thought and social and cultural conditions. Disciplinary terminology, interpretive methods, significant figures and arguments, and the relationship between theory and practise are considered. Contemporary topical issues and new speculative thinking are introduced in a series of lectures and seminars. Issues of power, identity, visuality and technology are studied through cross-cultural comparison and canonic projects.

Assessment: Assignments (e.g. exercises, essays, and class presentations) equivalent to not more than 5000 words.

702-312 Timber Furniture Workshop

Note: Available for final year BArch and BArch/BPC students only. Enrolments in the subject are limited to 16 places. Please refer to the section on *Quota subjects (p.16)* for details about the selection process into this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Hamish Hill

Contact: Six hours of workshop classes per week *(Semester 2).*

Description: Through the design and making of a piece of furniture, students will develop an understanding of furniture types, the design of furniture in architectural space, the qualities of timber as a material, and workshop practice for manufacture. Students will be guided through the process of producing scale models, drawings, quantities, test pieces, and the making of a prototype.

Assessment: The completion and exhibition of a purpose-designed full-size prototype of a piece of furniture.

705-218 Transport and Land Use Planning

Note: Formerly available as 705-431/631 Transport & Land Use Planning. Students who have completed 705-431/631 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Paul Mees

Contact: Three hours of lectures and tutorials per week *(Semester 1).*

Description: This subject studies the theory and practice of transport and land use planning in urban areas. At the conclusion of the subject, students should:

be familiar with procedures that have been developed for planning transport and land use; be aware of the major international trends and debates in the area; be able to place the history and practice of transport and land use planning in Melbourne in an international context; be in a position to contribute to the formulation of plans for transport and land use.

The subject aims to give an overview of an area that is frequently controversial, and encourage participants to read widely and think critically. The intention is to canvass a range of views and approaches.

Assessment: Written work of not more than 4000 words and a 2-hour examination.

702-421 Urban Design Theory

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Kim Dovey

Prerequisites: Nil, however it is anticipated that students in landscape architecture will take the subject in conjunction with 705-435 Advanced Urban Planning and Design *(p.19)*

Contact: Three hours of lectures or seminars per week *(Semester 1).*

Description: Contemporary theories and modes of critique relating to the design of the urban public realm. Emphasis is on how urban physical form responds to the economic, cultural, political, social, aesthetic and natural forces of an urbanized area. Assignments and class papers require students to critically engage with a broad range of theoretical positions, and relate them to local conditions.

Assessment: Written and graphic assignments equivalent to 6000 words.

705-220 Urban Development in Asian Megacities

Credit points: 12.5 **HECS-band:** 2

Coordinator: Dr Ludmilla Kwitko

Contact: Three hours of workshop/seminars per week *(Semester 1).*

Description: This subject adopts a theory-praxis approach. First, it examines the growth of Asian megacities within the context of Asia-Pacific urbanization from various theoeretical perspectives. Second, using a hands on planning approach, issues such as population, poverty, employment, social inequality and gender, colonial history, rural/urban migration, housing, environment, urban services, infrastructure and the integration of these cities into the global economy are addressed.

Assessment: One major essay of 2800 words, group project and in class exercises.

121-006 Urban Economic Geography

See full subject details on page 180.

705-289 Urbanisation and Urban Development

Note: Formerly available as 705-489/651 and 121-019 Urbanisation and Urban Development. Students who have completed 705-489/651 or 121-019 are not eligible to enrol in this subject.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Professor Ruth Fincher

Prerequisites: 25 points of first-year urban planning, geography or sociology subjects, or the permission of the subject coordinator.

Contact: Three hours of lectures and tutorials a week *(Semester 1).*

Description: The subject considers theories and interpretations of urbanisation and urban development influential in urban planning and geography over the past three decades. Examining the use of these understandings of the urban in different national and regional contexts (e.g. Australian, western, Asian, postcolonial, multicultural), it emphasises the position of cities in contemporary processes of globalisation, and the diverse lives of urban dwellers in different places and circumstances. Students will gain experience in designing and undertaking some original research work, using the perspectives discussed.

Assessment: Written and graphic assignments equivalent to not more than 2000 words and a 2-hour examination (with questions made available in advance).

705-441 Western Lineages of Urban Planning

Note: This subject is not available to students who have completed the subject 705-441/650 Origins of Modern Urban Planning.

Credit points: 12.5 **HECS-band:** 2

Coordinator: Mr Mario Gutjahr

Contact: Three hours of lectures and seminars per week *(Semester 2).*

Description: A critical examination of the evolution of urban planning as a response to the conflicts generated by the rapid industrialisation and urbanisation of the last 200 years. The subject will focus on the 19th and early 20th centuries, the foundation period of modern urban planning, and include consideration of: 19th Century responses to industrialisation and urbanisation in Europe, North America, and Australia; alternative interpretations of 19th century planning; the interaction between public and private forces and the intervention of the State; the professionalisation of town planning and the development of planning method and machinery since 1914; British, European, American, and Australian ideas and initiatives between the two world wars.

Assessment: Written assignments (project or literature review, essay, or class paper) totalling not more than 4000 words and a 3-hour examination paper (which may take the form of a class paper).