University College Dublin
An Coláiste Ollscoile Baile Átha Cliath

National University of Ireland, Dublin
Ollscoil na hÉireann, Baile Átha Cliath

Architecture

Session 2005/06

From September 2005 all first year courses are modularised. Further information is available at www.ucd.ie/horizons

Contents

Degree of Bachelor of Science (Architectural Science)

The course forms Part One of the two-part course leading to the Bachelor of Architecture Degree. Normally students who have completed the course and obtained the Bachelor of Science (Architectural Science) Degree will proceed to the Bachelor of Architecture Degree.

However, students who do not wish to proceed to the professional architectural degree (BArch) may apply to undertake further studies in related fields such as Planning or Landscape Architecture.

The course of study consists of projects and lectures and extends over a minimum of nine terms (six semesters).

Examinations in Architecture

In first year, all subject modules are examined at the end of the semester in which the module is given. In all other years,

the examinations in written subjects in all years are held at the beginning of the Trinity term and supplementary examinations are held in the Autumn. The examinations in Project Work are based on continuous assessment of the work undertaken during the year which must be submitted in a portfolio for examination at the end of the Trinity term. The Autumn supplementary examination is based on the Summer Project together with the Year's Work which must be submitted in a portfolio.

Examination Regulations

The approved courses of study for the Bachelor of Science (Architectural Science) Degree must be pursued during at least nine terms or six semesters as set out on the following pages.

The University Examinations for the Bachelor of Science (Architectural Science) Degree are:

1.The First University Examination;

2.The Second University Examination;

3.The Third University Examination.

Eligibility

For eligibility for admission to each of the examinations, the prescribed course of study for that examination must have been attended satisfactorily. No student will be allowed to take any examination in the University prior to the completion of the preceding examination.

Time Limit

The University examinations of the first, second and third year courses must be passed in the Summer or Autumn of the year following entry to that course.

Exceptions

Students may be permitted or advised to extend this period at the discretion of the College to which application must be made in writing. Students who have failed Project Work in both Summer and Autumn will not normally be allowed to continue the course. Permission to do so may only be given by the Academic Council on the recommendation of the College.

Where a candidate has reached a Pass Standard in Project Work he/she may be exempted from further examination in this Subject. Where a candidate has reached a Pass Standard in Project Work and in one or more of the other subjects, he/she may be exempted from further examination in these subjects.

Where a candidate has reached a Pass Standard in at least three subjects in the First, Second, or Third Year, or in one Subject of the Fourth Year, or in one Subject of the BArch Degree Examination he/she may be exempted from further examination in these subjects. On re-examination further exemptions may be allowed in single subjects or groups of subjects when a candidate has reached a Pass Standard in these subjects.

Honours

Honours may be awarded only on the results of the Summer examinations and where the candidate has: -

taken the examination for the first time;

i. sat for the examination in the Summer immediately following entry to the examination;
ii. taken all subjects at the one sitting.

In exceptional cases the College may, at its discretion, waive any of these conditions.

Courses of Study and Subjects of Examination leading to the Degree of Bachelor of Science (Architectural Science)

The courses and subjects for the *Second Year* and *Second University Examination* are:

ARCT2010	Project Work
ARCT2003	History and Theory of Architecture
ARCT2009	Building Technology
ARCT2001	Environmental Science
CVEN2025	Theory and Design of Structures

Optional Subject

One of the following (subject to availability):

ARCT2007 Architecture Structure and Form
ARCT2006 Special Topic in Architecture
ARCT2004 Computer-Aided Architectural Design
LANG2001 A Modern European Language
ARCT2005 Urban Design

The courses and subjects for the *Third Year* and *Third University Examination* are:

ARCT3006 Project Work
ARCT3002 History and Theory of Architecture
ARCT3005 Building Technology
CVEN3025 Theory and Design of Structures
EEEN3030 Building Services
ARCT3003 The Ecology of Architecture: Conservation and Sustainability

Syllabus of Courses for the Degree of Bachelor of Science (Architectural Science)

Second Year Courses

Project Work* **ARCT2010**

Project Work: The Second year studio programme aims to develop the student's understanding of the role and responsibilities (political, social, cultural) of architecture in the world; to understand the interaction of functional, social, technical and environmental factors in architecture. The exploration of materiality and construction is fostered through both the technology and design studio and through joint projects, and the insights of history and theory are brought to bear through tutorials and seminars. At the same time the programme is structured to enable the student to develop a design methodology that encompasses both the ability to work strategically and creatively, and the skills to develop a design project through every stage from inception to a good level of completion.

History and Theory of Architecture **ARCT2003**

History of Architecture in the Twentieth Century. The second year course in history and theory deals with the development of modern architecture from the latter half of the nineteenth century up to the contemporary period. The course is structured around a lecture series which situates changes and trends in architecture and the work of individual architects in their wider political and cultural context.

In the first term, the emphasis is on how social imperatives and ideals and the demands of the programme have shaped modern architecture. In the second term, the emphasis shifts to an examination of, on the one hand, the role of technology and structural theories in the development of architecture, and on the other hand, the importance to architecture of aesthetic theory and cultural critique.

Building Technology **ARCT2009**

(a) The properties, performance and uses of the more important building materials. Modern building components and equipment and constructional and service systems.

(b) *A study through practical application of constructional and service systems.

Environmental Science **ARCT2001**

An appreciation (by experiment) of environmental data. Methods of measurement and analysis. An introduction to methods of prediction. Exercises in analysis and design.

Theory and Design of Structures **CVEN2025**

Concepts underlying the limit state design philosophy. Reinforced concrete framed buildings: preliminary sizing of beams, slabs and columns. Prestressed and post-tensioned concrete: principles and preliminary sizing of beams. Precast concrete floors: systems and

* To be examined on work during the year

preliminary sizing. Introduction to thin shell structures. Steel framed buildings: preliminary sizing of columns and beams. Introduction to frameworks: trusses and space frames. Cable structures. Timber structures: preliminary sizing of joists, laminated beams and posts. Stability of tall buildings."

Optional Subject

One of the following (subject to availability):

(a)	Special Topic in Architecture	(ARCT2006)
(b)	Computer-aided Architectural Design	(ARCT2004)
(c)	A Modern European Language	(LANG2001)
(d)	Urban Design	(ARCT2005)
(e)	Architecture Structure and Form	(ARCT 2007)

Third Year Courses

Project Work **ARCT3006**

The Third year studio course focuses on developing an understanding of the demands and opportunities for architecture in collective and civic buildings. The course deals with buildings at many levels from materiality and detailed design to analysis of intention and meaning. There is an emphasis on development and refinement of skills and design technique in the studio course, in particular drawing, model making, urban/context studies and analysis of buildings and building types. A number of short projects are run dealing with observation and visual interpretation, and students are encouraged to descriptive and interpretative models and drawings. There are two main building design projects: a local building for collective use (usually a school) which addresses issues of functional analysis, repetition, ordinariness, the social role of architecture, appropriate expression an relationship to context; a civic building (usually arts/performance related) which deals, in addition to issues confronted in the first project, with the design of a major space with more complex demands.

History and Theory of Architecture **ARCT3002**

The City, Landscape, Garden and Architecture:

An introduction examines representation in its broadest sense from drawing to meaning in architecture. The course investigates the forces and ideas that have shaped the city, the landscape and gardens, and architecture and their inter-dependencies and mutual influence, from the Minoan culture to the twentieth century.

Building Technology **ARCT3005**

(a) Advanced constructional elements and systems.

(b)*A study through practical application of the construction and servicing of buildings.

Theory and Design of Structures **CVEN3025**

Examination of structural elements and load systems for substructures and superstructures.

Building Services **EEEN3030**

Methods of selection and application of systems.

The Ecology of Architecture: Conservation and Sustainability **ARCT3003**

Note

Intending students are asked to note that to qualify for entry to the Bachelor of Architecture Degree, they must have obtained the Bachelor of Science (Architectural Science) Degree or equivalent.

Degree of Bachelor of Architecture (BArch)

The course of study consists of projects and lectures, and is directed towards the advancement of the knowledge of architecture and the preparation of students for careers in architecture.

The course extends over a minimum of six terms (designated Fourth Year and Final Year), and forms Part Two of the three-part course, together with the Bachelor of Science (Architectural Science) Degree (Part One) and the Certificate in Architectural Professional Practice and Practical Experience (Part Three).

To be eligible for the course, candidates must have obtained the Bachelor of Science (Architectural Science) Degree or an equivalent qualification from an approved School of Architecture.

Examination Regulations

The approved courses of study for the Degree of Bachelor of Architecture must be pursued during at least six terms as set forth on the following pages.

The University Examinations for the Degree of Bachelor of Architecture are:
4.The Fourth University Examination;
5.The Final University Examination.

Eligibility

For eligibility for admission to each examination, the prescribed course of study for that examination must have been attended satisfactorily.-

No student will be allowed to take an examination in the University prior to the completion of the preceding examination.

Time Limit

The University examination of the fourth year course must be passed either in the Summer or in the Autumn of the year following entry to that course.

Exceptions

Students may be permitted or advised to extend this period at the discretion of the College to which application must be made in writing. Students who have failed Project Work in the Summer and Autumn will not normally be allowed to continue the course.

Permission to do so may only be given by the Academic Council on the advice of the College.

Honours

Honours may only be awarded at the Summer examinations and to candidates who are taking the examinations for the first time and who have taken the entire examination at one sitting.

The courses and subjects for the *Fourth Year* and *Fourth University Examination* are:

ARCT4008 Project Work
ARCT4007 History and Theory of Architecture
ARCT4009 Design Technologies 1: Design Strategies
ARCT4010 Design Technologies 2: Performance Analysis
ARCT4005 Professional Studies

The courses and subjects for the *Fifth Year* and *Final University Examination* for the BArch Degree are:

ARCT5003 Project Work
ARCT5004 Professional Studies

Syllabus of Courses for the Degree of Bachelor of Architecture

Fourth Year Courses

Project Work* **ARCT4008**

The Fourth year aims to develop the student's capacity for study, analysis and reflection, to develop and communicate architectural ideas, an exploratory approach to architectural technology, and to develop advanced skills in architectural design. The studio programme invites students to investigate a range of contemporary issues of built environment provision at varying scales. It places considerable emphasis on the specific skills of independent research, critical thinking and the use of design as a tool for investigation.

History and Theory of Architecture **ARCT4007**

A series of seminars is offered each year on various themes which address contemporary and historical issues in architecture, urbanism and landscape. The seminars lay the foundations of the subject area and provide the field from which individual study and research can emerge for the preparation of a dissertation. The preparation of the dissertation involves critical reappraisal of built or published materials, or original research dealing with the primary documents.

Design Technologies 1: Design Strategies **ARCT4009**

Building Control Regulations; Environmentally based building technologies from the perspective of sustainable building principles; Embodied energy, life cycle costing, advanced envelope technologies, appropriate selection and assembly of materials for energy performance.

Scheme design principles and design tools in the context of design life. Introduction to performance based specifications and material based criteria in structural design. Evaluation of alternative structural systems.

The subject matter covered will be applied to Design Studies within Design Interface.

Design Technologies 2: Performance Analysis **ARCT4010**

Materials

Performance analysis and practical application of investigative tools to thermal envelope performance and environmental modeling software.

Structural appraisal, performance analysis and adaptive reuse of existing structures.

The subject matter covered will be applied to Design Studies within Design Interface.

Professional Studies **ARCT4005**

Presentations are intended to develop students' professional knowledge, understanding, and skill, to help the client realise their wishes.

Understanding: The relationship between Society and the Profession; Our relationship with the client; Our relationship with the other actors in construction.

Knowledge: How the architect practices in Ireland and elsewhere. The professional ethos of the architect; Law affecting architectural practice; Documentation used in architectural practice; Managing a project from inception to completion; Management of people, management of the practice.

Skill: How to take and retain leadership in the realisation of the client's wishes; How to communicate clearly; How to run a practice profitably

The Architect and Society: The relationships between architects, the practice of architecture, society, and politics; and **The Architect at Work:** What it's like to be an architect and how to survive and flourish professionally.

Fifth Year Courses

Project Work **ARCT5003***

The Fifth year course establishes a process of design exploration through which a thesis intention is developed throughout the year. The year is structured in three consecutive modules; primer project, thesis design and thesis development, supported by a programme of seminars and lectures. The thesis intention is developed through a series of architectural propositions. The year begins with a study trip and ends with an exhibition of each student's journey from statement of intent to developed thesis.

Professional Studies **ARCT5004**

Fifth Year provides the outline of the knowledge required to practice architecture, having regard to the graduate's need to be able to work effectively as a junior member of a team, and to be able to quickly advance to running smaller projects under the supervision of a Partner.

The Architect as Project Manager: The architect-client appointment; Taking a brief; Auditing and surveying a building or a site; Working with the "design team" and with contractors; Estimating the cost of a job; Calculating how long a project will take; Dealing with planning and other statutory consents; Obtaining tenders and appointing contractors; Forms of construction contract: management contracting and variants; The standard forms of contract; Administering a project on site; The QTC triangle.

* To be examined on work during the year.

European Credit Transfer System (ECTS)

Credit Scheme for Bachelor of Science (Architectural Science) Degree Programme

Second Year Architecture

Course No:	*Course Title*	*:Credits:*
2-ARCH-209-STR	Theory and Design of Structures	6
2-ARCH-210-ENS	Environmental Science	6
2-ARCH-211-TECA	Building Technology	A4
2-ARCH-212-TECB	Building Technology	B4
2-ARCH-213-HIST	History and Theory of Architecture	4
2-ARCH-214-SPTC	Special Topic	4
2-ARCH-215-PROJ	Project Work	32
Total:		60

Third Year Architecture

Course No:	*Course Title*	*:Credits:*
3-ARCH-316-STR	Theory and Design of Structures	6
3-ARCH-317-TECA	Building Technology A	4
3-ARCH-318-TECB	Building Technology B	4
3-ARCH-319-SERV	Building Services	4
3-ARCH-320-HIST	History and Theory of Architecture	4
3-ARCH-321-SPTC	The Ecology of Architecture: Conservation and Sustainability	4
3-ARCH-322-PROJ	Project Work	34
Total:		60

Credit Scheme for Bachelor of Architecture Degree Programme

Fourth Year Architecture

Course No:	*Course Title*	*:Credits:*
	Design Technologies 1 : Design Strategies	5
	Design Technologies 2 :Performance Analysis	5
4-ARCH-425-HIST	History and Theory of Architecture	6
4-ARCH-426-PROF ST	Professional Studies	4
4-ARCH-427-PROJ	Project Work	40
Total:		60

Fifth Year Architecture

Course No:	*Course Title*	*:Credits:*
5-ARCH-528-PROF ST	Professional Studies	8
5-ARCH-530-PROJ	Project Work	52
Total:		60

Additional Information

Equipment

Students are required to purchase the following equipment at the beginning of the first year:

- Mayline,
- Drawing Board,
- Adjustable Set Square,
- A5 Black Sketch Book,
- Lead Sharpener,
- Metric Scale,
- Clutch Pencil,
- Erasing Shield,
- Scalpel and Blades,
- Drafting Brush,
- 1" Masking Tape,
- Eraser,
- 12" Steel Rule,
- 30cm Sketch Roll,
- Circle Template,
- French Curve Set,
- Compass,
- 5M Tape Measure,
- A3 Cutting Mat.

The approximate cost of this equipment is €300.

Field Trips

The first year class usually spend three days in the year on a project at a centre outside Dublin. The second year class usually spend one week on a study tour to a city outside the country. Field trips are also held in third and fourth year. The final year begins with a study visit to a European city. Provision should be made for transport costs and hostel-type accommodation.

Year Out

It is common for a student to spend one year in an architect's office between the end of the Bachelor of Science (Architectural Science) Degree and entry to the BArch Degree course, or between the fourth and fifth years of the BArch Degree course.

Retention of Students' Work

All project work submitted by students becomes the property of the School. Project work will normally be returned, but the School reserves the right to retain individual projects or complete portfolios as required by the Visiting Boards of the Professional Bodies or as exemplars for other students.

Computers

Computer use is a normal feature of architectural practice. Students will find it helpful to acquire a computer for personal use early in the first three years of the course.

Certificate in Architectural Professional Practice and Practical Experience

ENCTP0002

Graduates in Architecture who have had not less than two years' approved practical experience and who have passed the examination for the Certificate in Architectural Professional Practice and Practical Experience (NUI) are entitled to exemption from the Examination in Professional Competence of the Royal Institute of the Architects of Ireland and, subject to passing an oral examination, they may qualify for membership of that Institute.

Graduates who have obtained the BArch Degree and the Certificate in Architectural Professional Practice and Practical Experience (NUI) are entitled to exemption from the examination for membership of the Royal Institute of British Architects (RIBA). Graduates qualified for membership of the RIBA are also entitled to apply for registration under the Architects' Registration Acts of the United Kingdom.

The examination for the Certificate in Architectural Professional Practice and Practical Experience is held once a year in the Michaelmas term.

1. Entry to the Examination

1.1. To be eligible to enter for the examination, candidates must:

a be graduates of a five year, approved course in Architecture;

b have completed at least two years' approved postgraduate practical experience;

c have given the School satisfactory certification and assessments of the practical experience.

1.2. Approved postgraduate practical experience is taken to mean experience gained under the supervision of a holder of this Certificate, or of another architect who, in the opinion of the School, is equally competent to supervise work.

1.3. Satisfactory certification and assessments shall be as the School requires, i.e. certificates signed by employers, with essays assessing experience, not less than one year in advance of taking the examination, must be submitted.

1.4. It is the responsibility of the intending candidate to obtain the School's confirmation of eligibility.

2. The Examination

The Certificate shall be awarded to a candidate who:

2.1. Has satisfied the School with regard to experience;

2.2. Has satisfied the examiners in: *(a)* a written examination in Professional Practice; *(b)* a written examination in Management and Administration; *(c)* an oral examination; *(d)* a case study of a project on which the candidate has worked.

3. Preparing for the Examination

Intending candidates are advised to:

3.1. Contact the School's Practical Training Advisor at least one year before the examination, in order to comply with 1.3 above;

3.2. Attend a lecture course given annually before the examination and organised by the School in conjunction with the Royal Institute of the Architects of Ireland.

Degree of Master of Architectural Science (MArchSc)

ENMXF0016

Candidates for the Degree of Master of Architectural Science must obtain the permission of the College before entering on the course.

A candidate who is a holder of the Degree of Bachelor of Architecture or an equivalent qualification in Architecture, or a degree in a related discipline shall be eligible to obtain the Degree of Master of Architectural Science by Mode I or Mode II on the following conditions:

Under Mode I, a candidate

(a) must attend a full-time postgraduate course in the University for at least three terms after obtaining the primary degree;

(b) must present a dissertation prepared during such course; and

(c) must pass an examination on the subject matter of the dissertation if the examiners so decide.

Under Mode II, a candidate

(a) must attend a full-time postgraduate course for at least three terms after obtaining the primary degree;

(b) must pass an examination on the course; and

(c) may be required to submit an essay or dissertation as part of the qualifications for the Master's Degree.

University Regulations

1. Candidates for the Degree of MArchSc must have obtained Honours in the BArch Degree Examination. Graduates in Architecture who are not graduates of this University may be accepted subject to such examinations or tests as the College may decide.

2. Candidates must have the permission of the Architecture Programme Board to enter a course for the MArchSc Degree.

3. Candidates will not be permitted to attend courses for any University degree or diploma whilst in attendance for the MArchSc Degree.

4. A Pass graduate who desires to take a course for the Degree of Master of Architectural Science should in the first instance apply to the Head of UCD Architecture who may recommend that the graduate be permitted to take as a test, a subject, to be decided by the Architecture Programme Board, in which he/she must attain Honours marks; this examination to be taken *not less* than one year after the degree examination. The application of such a candidate may be submitted then to the College.

Application Date

The final date for application to the course will be 31st August.

Degree of Master of Urban and Building Conservation (MUBC)

ENMRF0003
ENMRP0031

Candidates for the Degree must obtain the permission of the College before entering on the course.

A candidate who is a holder of the Degree of Bachelor of Architecture, or of an equivalent qualification in Architecture or a degree in a related discipline, shall be eligible to obtain the Degree of Master of Urban and Building Conservation on the following conditions:

(a) The Degree of Master of Urban and Building Conservation (MUBC) may be taken through a full-time or through a part-time course of study.

(b) The duration of the full-time course of study is twelve months.

(c) The duration of the part-time course of study is a minimum of two years. Candidates must complete the requirements for the degree within four years of commencing the part-time course.

(d) The Degree of Master of Urban and Building Conservation may be obtained by thesis (Mode I) or by examination (Mode II).

Mode I

A candidate must carry out a research project under the direction of the supervisor appointed by the Head of the School. The thesis presented by the candidate is to embody the results of this research project. A candidate may be required to pass an oral examination on the subject matter of the thesis if the examiners so decide.

Mode II

A candidate must attend a postgraduate course approved by the College and must pass a university examination on the subject matter of the course. A candidate may be required to submit a dissertation on a project undertaken as part of the course; this dissertation will form part of the material to be assessed by the examiners.

University Regulations

1. Candidates for the Degree of Master of Urban and Building Conservation, who are holders of a BArch Degree or of an equivalent qualification in Architecture, must have obtained honours (minimum level: 2.2) in their final examination. Graduates at the required honours level in a related discipline may be accepted subject to reaching an honours standard in an examination or test in a topic to be agreed with the Head of UCD Architecture, and approved by the College.

2. Candidates must have the permission of the College to enter a course for the Master of Urban and Building Conservation.

3. Candidates will not be permitted to attend courses for any university degree or diploma whilst in attendance for the Master of Urban and Building Conservation Degree.

4. A Pass graduate in Architecture or a related discipline, or who holds chartered membership of a professional institution approved by the College and who desires to take a course for the Degree of Master of Urban and Building Conservation, should, in the first instance, apply to the Head of UCD Architecture who may recommend that the graduate be permitted to take as an examination or test, a subject, to be decided by the College, in which he/she must attain Honours marks; this examination or test to be taken before the commencement of the course. The application of such a candidate may be submitted then to the College.

Application Date

Applications to the course must be received by 30th September.

Degree of Master of Architecture (MArch)

ENMRF0004

A candidate who is the holder of the Bachelor of Architecture Degree or of an equivalent qualification in Architecture, shall be eligible to obtain the Degree of Master of Architecture by Mode I or by Mode II.

Mode I:

A candidate must have obtained an honours standard in the Bachelor of Architecture Degree or equivalent qualification in Architecture. The candidate

1. shall have attended a prescribed course of study for one year before presenting for examination
2. shall have submitted a project in architectural design which, in the judgement of the examiners, makes a contribution to the field; and
3. must have written and presented a dissertation which, in the judgement of the examiners, is of sufficient merit.

The Regulations on entry to the Mode I degree programme are as follows:

1. Candidates for the Degree of Master of Architecture (Mode I) who are holders of the Bachelor of Architecture Degree or of an equivalent qualification in Architecture, must have obtained Honours (minimum level 2.1) in their final examination.
2. Candidates must have the permission of the College to register for the Degree.

Mode II:

A candidate may enter for the examination after the expiration of nine terms from the time at which the candidate obtained the Bachelor of Architecture Degree or equivalent qualification. The candidate

(a) shall have designed and executed an architectural work which, in the judgement of the examiners, is of a distinguished character; and
(b) must have written and presented a dissertation which, in the judgement of the examiners, is of sufficient merit.

The Regulations on entry to the Mode II degree programme are as follows:

1. Candidates for the Degree of Master of Architecture (Mode II) must be accepted by the College as prospective candidates at least six months before entering for the examination.
2. Candidates are required to give notice to the College Principal before 15 January of the year in which they intend to present themselves for examination, with particulars of the building selected for examination under (a) above, the title of the proposed dissertation and details of their professional experience.

Degree of Master of Science in Urban Design
MSc (Urban Design)

ENMRF0005
ENMRP0008

The degree is offered on an inter-school basis by the UCD School of Architecture, Landscape and Civil Engineering, and the School of Geography, Planning and Environmental Policy. The degree is administered and supervised by a Joint Academic Board for MSc (Urban Design) drawn from both Schools.

The degree is offered as a one-year, full-time (46 weeks) programme which may be taken as a part-time programme divided over two years to facilitate secondment from employment.

Mode 1

Candidates for Master of Science (Urban Design) must obtain the permission of the College before entering the course. Candidates will be required to hold relevant professional qualifications in either Architecture or Planning. Entrants from other professions may be considered based on academic qualifications and relevant professional experience.

This degree is awarded or withheld on the basis of the presentation of a major thesis or urban design project(s). In addition, candidates are required to complete satisfactorily modules and other coursework as prescribed by the Board of Studies. The modules normally include:

Module 1 Theory and Practice of Urban Design

Module 2 Elective

Module 3 Urban Design Studio

Module 4 Work Study Trip

Exemptions may be granted by the Board of Studies from modules, or parts of modules, if, in their view, a Candidate has completed equivalent courses satisfactorily or has equivalent experience.

All coursework is completed on a pass/fail basis.

The MSc (Urban Design) degree is awarded or withheld. An oral examination(s) may be held if the examiners so decide.

Degree of Doctor of Philosophy (PhD)

Candidates for this degree are required to be admitted by the College to register for the Degree on the recommendation of the Professor; their admission must then be confirmed by the Academic Council. Candidates who have not graduated from this University may be admitted if suitably qualified.

No candidate can be allowed to enter on a course of study and research for the Degree of PhD unless he/she has reached a high honours standard at the examination for the primary degree or presented such other evidence as will satisfy the Professor and the College of his/her fitness.

The degree is normally taken nine terms after a master's degree or primary degree. A reduction in the number of terms would be dependent on progress by the candidate and would be a matter for consideration and decision by the College.

Candidates for the PhD Degree will be allowed six years from the date of registration in which to complete their degree. If they have not done so within that period they must re-apply for registration.

The thesis must normally be prepared under the supervision of the Professor but the College may, on the recommendation of the Professor, assign another member of the staff to supervise the candidate's research, under the Professor's general direction. The thesis must be prepared in the University, unless permission is given to the candidate to work elsewhere under the Professor's general direction. Such permission will only be given to candidates who have attended courses in the University for twelve terms before admission to the course for the PhD.

Candidates may enter for examination in January of the year in which their work is to be examined; the time of examination to be arranged as may be convenient to the candidate and the examiners. If the thesis is not presented before 1 February following, the candidate must re-enter.

Candidates may be required to take an oral examination on the subject matter of their thesis.

This degree will not be awarded unless the examiners report that the work is worthy of publication, as a whole or in part, as a work of serious scholarship.