UNIVERSITY COLLEGE DUBLIN

NATIONAL UNIVERSITY OF IRELAND, DUBLIN

ARCHITECTURE

SESSION 2000/2001

DEGREES IN ARCHITECTURE

EXTRACT FROM THE STATUTE OF THE UNIVERSITY

The University may grant the following degrees to students who, under conditions laid down in the statutes and regulations, have completed the approved courses of study and have passed the prescribed examinations of the University and fulfilled all other prescribed conditions.

In the Faculty of Engineering and Architecture:

Bachelor of Science (Architectural Science) (BSc)
Bachelor of Architecture (BArch)
Master of Architecture (MArch)
Master of Architectural Science (MArchSc)
Master of Urban and Building Conservation (MUBC)
Master of Science in Building Project Management (MSc)
Master of Science in Urban Design (MSc)
Master of Regional and Urban Planning (MRUP)
Doctor of Philosophy (PhD)

INTRODUCTION

The School of Architecture, which was established in 1911, is a Department within the Faculty of Engineering and Architecture. The School is located at Richview, Clonskeagh, which has a common boundary with the main university campus at Belfield. All studio work, lectures and courses are held in the School.

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 (three years).

EXAMINATIONS IN ARCHITECTURE

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 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 Faculty, 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 Faculty.

In the first and second years, a student who has exemptions in all but one subject, excluding Project Work, will normally be permitted to proceed to the next year of the course. In these circumstances, the student must take the lower year's examination in the following Summer and, if successful, may then sit the higher year's examination in the Autumn.

Students in the third year will not be permitted to proceed to fourth year until they have successfully passed all of the third year examinations and obtained the Bachelor of Science (Architectural Science) Degree.

Honours
Honours may be awarded in all university examinations in Architecture from the first to the final inclusive. Honours may only be awarded at the Summer examinations and to candidates who are taking the examination for the first time and who have taken the entire examination at one sitting.

COURSES OF STUDY AND SUBJECTS OF EXAMINATION LEADING TO THE DEGREE OF BACHELOR OF SCIENCE (ARCHITECTURAL SCIENCE)

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

ARCT1004	Project Work
ARCT1003	History and Theory of Architecture
ARCT1002	Building Technology
ARCT1001	Environmental Science
CVEN1002	Theory and Design of Structures
ARCT1005	Introduction to Computing in Architecture

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

ARCT2008	Project Work
ARCT2003	History and Theory of Architecture
ARCT2002	Building Technology
ARCT2001	Environmental Science
CVEN2025	Theory and Design of Structures

Optional Subject

One of the following (subject to availability):

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:

ARCT3004	Project Work
ARCT3002	History and Theory of Architecture
ARCT3001	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)

FIRST YEAR COURSES

ARCT1004 *Project Work**

The aim of the first year project work is to develop the students' awareness of the environment and to introduce them to the architect's method of work. Projects include analysis of public spaces and buildings and the design of simple spaces, structures and a small building. Students are instructed in drawing, painting and model-making techniques.

ARCT1003 *History and Theory of Architecture*

Traditions and Transformations:
Central to the course is the exploration and understanding of building forms, their evolution and transformation and the pressures which effected these changes, from Minoan times to the present. The course aims to provide the student with the ability to *read* and understand the buildings of the past and their potential for the future.

ARCT1002 *Building Technology*

(a) An introduction to building materials and the technology of building. A study of the main building elements and systems for domestic buildings.

(b)* The illustration of some of the principles of building through studio and building laboratory projects.

ARCT1001 *Environmental Science*

An introduction to the physical characteristics of the environment. A study of man and his response to the environment.

CVEN1002 *Theory and Design of Structures*

The nature of structure in architecture. Fundamentals of statics and their application to simple structures.

ARCT1005 *Introduction to Computing in Architecture*

Introduction to computers and computing. Microcomputers. Applications for general use: spreadsheets, databases and word processors. Desktop publishing. Computer-aided drawings. Perspective and other projections. Rendering. Printers, scanners, digitisers, plotters. The UCD system. Using the Internet.

1.7 *Drawing Systems**

An introduction to the geometry of architectural drawing and to drawing conventions used by architects. Practical experience is gained in studio projects designed to illustrate the principles.

* To be examined on work during the year.

SECOND YEAR COURSES

ARCT2008 *Project Work**

The aim of the second year project work is to develop the students' awareness to include the elements of architecture: function, space, structure and form. The projects include analysis of existing buildings and the design of a number of small buildings in which these elements are studied. The instruction in graphic techniques continues.

ARCT2003 *History and Theory of Architecture*

Buildings and Ideas:

The course presents an analysis of individual buildings, examining the synthesis of the structure, environmental control with their programme and the cultural and political context. Interleaved with these building studies (predominantly twentieth-century), is a series of lectures on movements and trends in twentieth-century thought and culture.

ARCT2002 *Building Technology*

(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.

ARCT2001 *Environmental Science*

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

CVEN2025 *Theory and Design of Structures*

An appreciation of the forces acting on a building and an analysis of these in mathematical and graphical ways.

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)

* To be examined on work during the year.

THIRD YEAR COURSES

ARCT3004 *Project Work**

The aim of the third year project work is to enable the student to test his/her design ability and knowledge of materials and construction in a project for a larger building with special reference to its location. Other projects include a study of urban housing. The third year project work is seen as the end of the first cycle of the course.

ARCT3002 *History and Theory of Architecture*

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.

ARCT3001 *Building Technology*

(a) Advanced constructional elements and systems.
(b)* A study through practical application of the construction and servicing of buildings.

CVEN3025 *Theory and Design of Structures*

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

EEEN3030 *Building Services*

Methods of selection and application of systems.

ARCT3003 *The Ecology of Architecture: Conservation and Sustainability*

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.

* To be examined on work during the year.

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 Faculty 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 Faculty.

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.

DEGREE OF MASTER OF REGIONAL AND URBAN PLANNING: SUPPLEMENTARY SUBJECTS AND EXEMPTIONS FOR ARCHITECTURAL STUDENTS/GRADUATES*

A limited number of architectural students (approximately four) who have completed the Third University Examination in Architecture will be eligible to take supplementary subjects in Regional and Urban Planning during their fourth architectural year. If they pass the examination in these supplementary subjects at the end of their fourth year, they will be permitted to attend further supplementary subjects in Regional and Urban Planning in their fifth architectural year.

Graduates in Architecture who have passed the examinations in these supplementary subjects at the end of their fourth and fifth architectural years will be eligible for exemption from corresponding subjects of the First Year Examination in Regional and Urban Planning. Such graduates may be considered for complete or partial exemption also from Year's Work in the first year course for the Degree of Regional and Urban Planning, on the basis of Project Work carried out in the School of Architecture.

The supplementary subjects, if taken, are listed under Fourth Year and Fifth Year courses*.

* For details, see separate booklet, *Regional and Urban Planning.*

COURSES OF STUDY AND SUBJECTS OF EXAMINATION LEADING TO THE DEGREE OF BACHELOR OF ARCHITECTURE

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

ARCT4004 Project Work
ARCT4002 History and Theory of Architecture
ARCT4001 Building Technology
CVEN4025 Theory and Design of Structures
ARCT4003 Surveying

Supplementary Courses in Regional and Urban Planning
(may be made available to students):

History of Development and Planning
Social Structure and Organisation (including Planning for Minorities)
Economics and Land Use Planning
Design and the Urban and Rural Environment
Conservation and Landscape Planning:
(a) Conservation and Landscape
(b) Enviromental Impact Assessment and the Landscape
Development and Infrastructure
Transportation
Policy Analysis and Decision Making
Social Surveys and Research Methods
Planning Administration

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

ARCT5003 Project Work
ARCT5001/2 Professional Practice and Management

Supplementary Courses in Regional and Urban Planning
(may be made available to students):

Regional Planning and Settlement Systems
Planning Practice
Planning Philosophy and Theory
Planning Law
Demography Analysis and Forecasting
Models and Techniques
Rural Development and Management
The Practice and Techniques of Development
Applied Land Use - Transportation Policy
Specialised Studies

SYLLABUS OF COURSES FOR THE DEGREE OF BACHELOR OF ARCHITECTURE

FOURTH YEAR COURSES

ARCT4004 *Project Work**

The aim of the fourth year project work is to provide an opportunity to develop the student's design ability whilst exploring the impact of new developments on existing structures in urban and rural locations. Projects include a comprehensive design for housing and a range of complex buildings. Optional projects may be offered in the area of conservation.

ARCT4002 *History and Theory of Architecture**

Seminars and Dissertation:

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.

ARCT4001 *Building Technology*

(a) Building control, conservation and building re-use technologies, and production documentation.

(b)* Practical application at an advanced level including the preparation of a minor dissertation.

CVEN4025 *Theory and Design of Structures*

Structural systems. Methods of choice, analysis and adaptation.

ARCT4003 *Surveying*

An introduction to the principles and practice of field surveying and to the recording of buildings. The course includes the use of photography and photogrammetry for the measurement and recording of buildings.

Supplementary Courses in Regional and Urban Planning:

History of Development and Planning
Social Structure and Organisation (including Planning for Minorities)
Economics and Land Use Planning
Design and the Urban and Rural Environment

* To be examined on work during the year.

Supplementary Courses in Regional and Urban Planning - Contd.
Conservation and Landscape Planning:
(a) Conservation and Landscape
(b) Environmental Impact Assessment and the Landscape
Development and Infrastructure
Transportation
Policy Analysis and Decision Making
Social Surveys and Research Methods
Planning Administration

FIFTH YEAR COURSES

ARCT5003 *Project Work**

In the final year, the students are required to prepare a thesis consisting of research into an aspect of architecture or building type and an original design for a building or group of buildings or other approved subject. The thesis must be submitted in the form of a report and a set of drawings sufficient to illustrate the design.

ARCT5001/2 *Professional Practice and Management*

Section A: The Profession and the Building Industry
An understanding of the principles of practice in relation to: Tendering, Bills of Quantities, choice and types of contracts, cost planning and control. Professionalism: Structure of the profession and its relationship with allied professions; role of the architect in the building team; historical development of the profession; professional institute and its role; government of the RIAI; architect/client relationship; professional responsibilities and code of conduct; conditions of engagement; structure of local government in Ireland; structure of the building industry; current difficulties and communication, co-ordination, tendering and contracts.

Section B: Legislation and Architecture
(i) General principles of law; professional responsibilities and liability; law of contract; warranties; bankruptcy; disputes; claims; nominated subcontractors; building contracts; bonds; arbitration.
(ii) Planning and building legislation and procedures; easements; copyright; condition and dilapidation reports.

* To be examined on work during the year.

ARCT5001/2 *Professional Practice and Management - Contd.*

Section C: Business and Office Management
Principles of management (forecasting, planning, organising, motivating, co-ordinating, controlling and communicating); management processes and their application to the professional office; organisation and structure; types of ownership; communications and human relations; budgetary control and accountancy; analysis of the functions of management related to architecture.

Section D: Project Management
Management procedures and techniques; plan of work; briefing methods; user studies; programming including resource and fee allocation; tendering procedures and appointment of contractor; project planning; conditions of contract as a management document; site operations and control including site supervisory staff; office management in practice.

Supplementary Courses in Regional and Urban Planning:
Regional Planning and Settlement Systems
Planning Practice
Planning Philosophy and Theory
Planning Law
Demography Analysis and Forecasting
Models and Techniques
Rural Development and Management
The Practice and Techniques of Development
Applied Land Use - Transportation Policy
Specialised Studies

EUROPEAN CREDIT TRANSFER SYSTEM (ECTS)

CREDIT SCHEME FOR BACHELOR OF SCIENCE (ARCHITECTURAL SCIENCE) DEGREE PROGRAMME

First Year Architecture

Course No:	*Course Title:*	*Credits:*
1-ARCH-101-STR	Theory and Design of Structures	4
1-ARCH-102-COMP	Basic Computer Science	2
1-ARCH-103-ENSA	Environmental Science A	4
1-ARCH-104-ENSB	Environmental Science B	4
1-ARCH-105-TECA	Building Technology A	4
1-ARCH-106-TECB	Building Technology B	4
1-ARCH-107-HIST	History and Theory of Architecture	4
1-ARCH-108-PROJ	Project Work	34
	Total:	60

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 A	4
2-ARCH-212-TECB	Building Technology B	4
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:*
4-ARCH-423-STR	Theory and Design of Structures	6
4-ARCH-424-TEC	Building Technology	6
4-ARCH-425-HIST	History and Theory of Architecture	4
4-ARCH-426-SURV	Surveying	2
4-ARCH-427-PROJ	Project Work	42
	Total:	60

Fifth Year Architecture

Course No:	*Course Title:*	*Credits:*
5-ARCH-528-PROP	Professional Practice	4
5-ARCH-529-MANG	Management	4
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 in October 1998 was £140.00.

Field Trips
The first year class usually spend one week 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. 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 increasing. Students may find it helpful to acquire a computer for personal use during the first three years of the course.

CERTIFICATE IN ARCHITECTURAL PROFESSIONAL PRACTICE AND PRACTICAL EXPERIENCE

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 RIAI 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.

HIGHER DIPLOMA IN BUILDING PROJECT MANAGEMENT (HDipBPM)

Admission to the Higher Diploma in Building Project Management course will be by decision of the Faculty of Engineering and Architecture, on the recommendation of the Head of the School of Architecture. It will be dependent on a satisfactory professional qualification, a minimum level of professional experience, and good general knowledge of construction sector practice and procedures. The course is open to:

- Holders of the NUI Certificate in Architectural Professional Practice and Practical Experience;
- Architect holders of an equivalent professional architectural qualification;
- Other persons with a satisfactory professional construction sector qualification.

Candidates are required to have a minimum of four years' approved professional experience in the construction industry and to have a satisfactory knowledge of the building design and construction process in Ireland. Intending candidates may be required to demonstrate such satisfactory knowledge, and their overall professional maturity and suitability for the course, by interview by the School of Architecture.

The Higher Diploma is taken by way of written examination in five independent modules.

- Foundation module in Building Project Management;
- Building Project Management Principles;
- Managing Building Project Quality, Time and Cost;
- Project Manager: The Promoter's agent; and
- Case Study.

Persons who have passed either the examination for the NUI Certificate in Architectural Professional Practice and Practical Experience or the RIAI Examination in Professional Practice may, subject to interview, be exempted from Module 1: Foundation.

Application Date: The closing date for receipt of applications will be 30th June.

DEGREE OF MASTER OF ARCHITECTURAL SCIENCE (MArchSc)

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

A candidate who is a holder of the Degree of Bachelor of Architecture 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 Faculty may decide.
2. Candidates must have the permission of the Faculty 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 the School of Architecture who may recommend that the graduate be permitted to take as a test, a subject, to be decided by the Faculty, 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 Faculty.

Application Date

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

DEGREE OF MASTER OF URBAN AND BUILDING CONSERVATION (MUBC)

Candidates for the Degree must obtain the permission of the Faculty 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 Department. 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 Faculty 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.

Univrsity 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 the School of Architecture and approved by the Faculty.

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

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 Faculty 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 the School of Architecture who may recommend that the graduate be permitted to take as an examination or test, a subject, to be decided by the Faculty, 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 Faculty.

Application Date
Applications to the course must be received by 30th October.

DEGREE OF MASTER OF ARCHITECTURE (MArch)

Extract from University Statute
A candidate who is a holder of the Bachelor of Architecture Degree shall be eligible to obtain the Degree of Master of Architecture after the expiration of nine terms from the time at which the candidate obtained the BArch Degree.

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

University Regulations
1. Candidates for the Degree of MArch must be accepted by the Faculty of the University as prospective candidates at least six months before entering for the examination. They are required to give notice to the Dean of the Faculty 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, title of the proposed dissertation and details of their professional experience.

DEGREE OF MASTER OF SCIENCE IN BUILDING PROJECT MANAGEMENT
MSc (Building Project Management)

Admission to the Degree programme is by permission of the Faculty of Engineering and Architecture.

The programme is open to holders of the Higher Diploma in Building Project Management, and is taken by submission of a dissertation on a subject agreed with the School, together with an oral examination on the subject of the dissertation. The programme is taken on a part-time basis over one year. Dissertations for which the degree is awarded will be retained in the Architecture and Planning Library.

Applications for the course must be received by 1st October.

DEGREE OF MASTER OF SCIENCE IN URBAN DESIGN
MSc (Urban Design)

The degree is offered on an inter-departmental basis by the School of Architecture and the Department of Regional and Urban Planning. The degree is administered and supervised by a Joint Academic Board for MSc (Urban Design) drawn from both departments.

Candidates for the Degree of Master of Science (Urban Design) must obtain the permission of the Faculty before entering the course. The course is open to architects, planners and landscape architects with a professional degree, normally at honours level. Civil engineers and chartered surveyors may be admitted subject to examination.

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
A candidate must carry out a research project or a series of research projects under the direction of the Supervisor recommended by the Joint Academic Board for MSc (Urban Design) and approved by the Faculty. The thesis presented by the candidate is to embody the results of this or these research projects. A candidate may be required to pass an oral examination on the subject matter of the thesis if the examiners so decide. The Board may require that candidates should attend specified available courses in the School of Architecture and the Department of Regional and Urban Planning.

Mode 2
The Mode 2 programme has a significant research orientation, with a coherent sequence of studio projects and an Irish- or European-based research assignment, leading to the production of a thesis. It is underpinned by a core lecture programme. Options are available from courses in the School of Architecture and the Department of Regional and Urban Planning to ensure that candidates have an adequate interdisciplinary background for research. Each candidate must carry out the programme under the direction of the supervisor(s) recommended by the Joint Academic Board for MSc (Urban Design). The course will be subject to prerequisite specified course requirements which will be assessed according to the candidate's professional and academic background; for example, architectural candidates may be required to take predominantly planning-oriented optional subjects, whilst candidates from a planning background may be required to take design-based prerequisites. Core and optional courses will be examined, and studio and placement activities will be assessed and will contribute to the marking of the degree. The structure is based on a twelve-month programme of studies as follows: Core Courses; Optional Courses; Urban Design Studio; Research Assignment and Thesis.

Applications to the course must be received by 31st July.

DEGREE OF DOCTOR OF PHILOSOPHY (PhD)

Candidates for this degree are required to be admitted by the Faculty on the recommendation of the Professor; their admission must then be confirmed by the Academic Council. Candidates who have not graduated in 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 Faculty 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 Faculty.

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 Faculty 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.