



UNIVERSITY OF DUBLIN

Trinity College
Calendar Part 2

Graduate Studies and Higher Degrees

2007/2008

This Calendar, Part 2, contains all information concerning graduate studies in Trinity College, Dublin.

The College is not bound by any error in, or omission from, the following information. Euro amounts have been calculated to the nearest unit.

For a definitive list of charges and fees, please consult the University of Dublin Calendar Part 1 2007/2008.

DEAN OF GRADUATE STUDIES

Professor Carol Ann O'Sullivan B.A. Mod. (T.C.D.), M.Sc. (D.C.U.), Ph.D. (T.C.D.), F.T.C.D. (2003)

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WEB SITE

The Graduate Studies Office maintains a web site:

http://www.tcd.ie/Graduate_Studies/

which has links to information on all postgraduate courses and programmes listed in this Calendar, Part 2. The Graduate Studies Office local page gives further details on course development, review, supervision, thesis submission and provides downloadable copies of various forms.

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I. GRADUATE STUDIES COMMITTEE

MEMBERS*

Ex Officio members

The Dean of Graduate Studies (Chairman) - Prof. Carol O'Sullivan

The Dean of Research – Dr David Lloyd

Directors of Teaching and Learning (Postgraduate) in the following Schools:

School of Biochemistry and Immunology – Dr Richard Porter

School of Business – Dr Joseph McDonagh

School of Chemistry – Prof. John Kelly

School of Computer Science and Statistics – Mr Brendan Tangney

School of Dental Science – Dr Anne O'Connell

School of Drama, Film and Music – Dr Matthew Causey

School of Education – Dr Philip Matthews

School of Engineering – Prof. Biswajit Basu

School of English – Prof. Nicholas Grene

School of Genetics and Microbiology – Prof. Seamus Martin

School of Histories and Humanities – Prof. Eunan O'Halpin

School of Languages, Literatures and Cultural Studies – Prof. Cormac Ó Cuilleaináin

School of Law – Dr Neville Cox

School of Linguistic, Speech and Communication Sciences – Prof. John Saeed

School of Mathematics – Dr Richard Timoney

School of Medicine – Prof. Mark Lawler

School of Natural Sciences – Dr Kenneth Irvine

School of Nursing and Midwifery – Ms Honor Nicholl

School of Pharmacy and Pharmaceutical Sciences – Dr John Clancy

School of Physics – Prof. Stefano Sanvito

School of Psychology – Dr Kevin Tierney

School of Religions, Theology and Ecumenics – Dr Iain Atack

School of Social Sciences and Philosophy – Dr Gail McElroy

School of Social Work and Social Policy – Dr Eoin O'Sullivan

Representatives of the Graduate Students' Union

The President of the Graduate Students' Union – Mr Alessio Frenda

The Vice-President of the Graduate Students' Union – Ms Molly Doros

IN ATTENDANCE

Ex Officio

Keeper of Readers' Services – Mr Trevor Peare

Information System Services Representative – Mr John Lawlor

Administrative Officer Graduate Studies Office – Ms Ewa Sadowska (Secretary)

Administrative Officer Graduate Studies Office – Ms Helen Thornbury

Two members may be co-opted.

* The definitive membership is given in the University Calendar Part I

TERMS OF REFERENCE

The Graduate Studies Committee was established in the academic year 1965/66. Initially the members were drawn from Schools and later they were drawn from Faculties. In 2005, Board and Council approved that the membership would be changed to include the Directors of Teaching and Learning (Postgraduate) so that the membership is now: the Dean of Graduate Studies as the chair of the committee, the Dean of Research, the Directors of Teaching and Learning (Postgraduate) in the Schools, the President of the Graduate Students' Union, the Vice President of the Graduate Students' Union. In attendance are: The Keeper of Readers' Services, a representative of Information and Systems Services, and an Administrative Officer from the Graduate Studies Office as secretary to the committee. Up to two non-voting members may be co-opted in order to advise on current or forthcoming academic developments.

There shall be no substitution of members of the Graduate Studies Committee.

The main functions of the Graduate Studies Committee are:

- 1) To initiate discussion and make recommendations on all matters of academic policy and practice relating to postgraduate study and research, and to report these discussions to the Heads of School Committee and the University Council.
- 2) To advise the Dean of Graduate Studies in his or her role of reporting to the University Council, including such matters as
 - a. admission, progression, and examination of postgraduate students;
 - b. proposals for new postgraduate degrees and diplomas, and changes to existing degree and diploma courses and regulations.
- 3) To monitor, evaluate, and ensure the quality of postgraduate courses and research degrees.
- 4) To assess proposals for the formation of Graduate Schools, including joint Graduate Schools with other institutions, and to make recommendations on the proposal to the Heads of School Committee or other committees in College as may be required.
- 5) To monitor, review and report on all aspects of the Bologna process as it relates to postgraduate studies, including European Credit Transfer Systems (ECTS).
- 6) To advise on the promotion of postgraduate programmes.
- 7) To consider and make appropriate changes to the University Calendar Part 2.
- 8) To set up the Appeals Committee for Graduate Students as required.
- 9) To set up the Higher Doctorates Sub-committee as required.

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* Direct entry is not possible to this postgraduate diploma course.

III. IMPORTANT DATES

REGISTRATION

September

Registration for all Postgraduate Students	27 th and 28 th September 2007
Orientation Meeting for New Postgraduate Students	28 th September 2007
Last date for Registration without a charge	19 th October 2007

April

New Entrant Registration and Continuing Registration	from 1 st April 2008 until 4 th April 2008 (inclusive)
Last date for registration without a charge	17 th April 2008

N.B. Registration may proceed only when all outstanding fees and other charges have been paid and received by College.

AWARDS (closing dates for application)

Postgraduate Research Studentships	1 st May 2008
Ussher Awards	1 st May 2008
One Year Awards for Continuing Postgraduate Students	31 st May 2008

TRAVEL GRANTS

Trinity Trust Travel Grants and Graduate Studies Research Travel Fund

For travel between:	Deadline for receipt of application:
15 th September - 14 th December	1 st September 2007
15 th December - 14 th March	1 st December 2007
15 th March - 14 th June	1 st March 2008
15 th June - 14 th September	1 st June 2008

Applications must be received prior to travel.

IV. TRINITY COLLEGE DUBLIN – ACADEMIC STRUCTURE 2007/2008

(Please note that the definitive academic structure appears in
the University of Dublin Calendar Part 1 2007/2008)

Faculty of Arts, Humanities and Social Sciences

School of Business
School of Drama, Film and Music
 Drama and Theatre Studies
 Music
School of Education
School of English
School of Histories and Humanities
 Centre for Gender and Women's Studies
 Classics
 History
 History of Art
School of Languages, Literatures and Cultural Studies
 European Studies
 French
 Germanic Studies
 Hispanic Studies
 Irish and Celtic Languages
 Italian
 Russian and Slavonic Studies
School of Law
School of Linguistic, Speech and Communication Sciences
 Centre for Language and Communication Studies
 Clinical Speech and Language Studies
School of Psychology
School of Religions, Theology and Ecumenics*
 Irish School of Ecumenics
 Religions and Theology
School of Social Sciences and Philosophy
 Economics
 Philosophy
 Political Science
School of Social Work and Social Policy

* School title pending approval by the University Council

Faculty of Engineering, Mathematics and Science

School of Biochemistry and Immunology
School of Chemistry
 Inorganic and Synthetic Materials Chemistry
 Organic, Medicinal and Biological Chemistry
 Physical, Computational and Materials Chemistry
School of Computer Science and Statistics
 Computer Science
 Statistics
School of Engineering
 Civil, Structural and Environmental Engineering

Electronic and Electrical Engineering
Mechanical and Manufacturing Engineering
School of Genetics and Microbiology
Genetics
Microbiology
School of Mathematics
School of Natural Sciences
Botany
Geography
Geology
Zoology
Trinity Centre for the Environment
School of Physics

Faculty of Health Sciences

School of Dental Science
Oral Surgery, Oral Medicine and Oral Pathology
Public and Child Dental Health
Restorative Dentistry and Periodontology
School of Medicine
Anatomy
Clinical Biochemistry
Clinical Medicine
Clinical Microbiology
Haematology
Health Services Management
Histopathology and Morbid Anatomy
Immunology
Medical Gerontology
Nutrition and Dietetic Studies
Obstetrics and Gynaecology
Occupational Therapy
Paediatrics
Pharmacology and Therapeutics
Physiology
Physiotherapy
Psychiatry
Public Health and Primary Care
Radiation Therapy
Surgery
School of Nursing and Midwifery
School of Pharmacy and Pharmaceutical Sciences

1. GENERAL ACADEMIC REGULATIONS FOR GRADUATE STUDIES AND HIGHER DEGREES

1.1 *Terminology and layout defined:* For the purposes of this, the second part of the University Calendar, graduate students are differentiated into a number of administrative groupings.

The first group contains those undertaking research degrees. The regulations pertaining specifically to this group of graduate students are contained in Section 2. This group has two subdivisions:

(a) those graduate students undertaking a M.Litt., M.Sc. by research or Ph.D. form one subdivision. These graduate students' programmes of study may include some taught elements. Though a graduate student's progression through one of the aforementioned programmes may be determined by successful completion of taught assignments, award of the degree is made solely on the basis of successful examination of a thesis, that examination being undertaken by a unique combination of external and internal examiners, appointed by the College.

(b) candidates who have made an outstanding contribution to their chosen field of research may be eligible to apply for a higher doctorate degree by published research (*i.e.* Litt.D., Sc.D., D.D., LL.D., and Mus.D.) and form the second sub-division.

The next group contains graduate students undertaking a taught postgraduate programme. Programmes of study for these graduate students may involve them in research activity and the production of a dissertation of a minor or major nature; however the dissertations so produced are examined, essentially, by a court of examiners wherein an external examiner is appointed by the College to examine the course as a whole. The regulations pertaining specifically to this group of graduate students are contained in Sections 3 and 6.

A further grouping of graduate students contains those who undertake higher professional degrees. The programme of study for these graduate students also may involve taught programmes as well as production of a dissertation. The regulations pertaining specifically to this group of graduate students are contained in Sections 4 and 6.

The boundary between the pure research and taught groupings is not absolute. Programmes of study may not clearly fit into any of the groupings above as they contain significant research and taught elements. In these cases it may be difficult to determine whether graduate students are undertaking a taught programme with a significant research element or a research programme with a significant taught element. For courses deemed appropriate by the Dean of Graduate Studies and the Graduate Studies Committee the progress of such graduate students may be governed by the appropriate paragraphs of the appropriate sections of the regulations depending on the designated activity of the graduate student at the time (*i.e.* Sections 2, 3 and 6).

One-year graduate students not reading for a higher degree fall outside of these categories and, as befits their individually tailored programme of study, are governed by the appropriate paragraphs of the appropriate section(s) of the regulations outlined below.

This part of the University Calendar has 8 Sections as follows:

- Section 1 General Academic Regulations for Graduate Studies and Higher Degrees
- Section 2 Regulations for Higher degrees by Research Only
- Section 3 General Regulations for Taught Graduate Courses
- Section 4 Regulations for Professional Higher and Other Degrees
- Section 5 Other General Regulations
- Section 6 Specific Regulations for Taught Graduate Courses by Faculty
- Section 7 Postgraduate Awards and Travel Funds
- Section 8 Postgraduate Degree and Diploma Courses - Annual Fees

The regulations in Sections 1 and 7 apply to all graduate students in College; those in other sections apply as appropriate. In general within each section the regulations are arranged to correspond to issues that may arise as a postgraduate student progresses through the University. However, the regulations governing the presentation of theses/dissertations are placed at the end of Section 1, rather than in the middle, so that they may be easily found.

1.2 *The Dean of Graduate Studies and the Graduate Studies Committee*

The regulations for higher degrees are administered by the Dean of Graduate Studies who acts in conjunction with the Graduate Studies Committee, the Deans of Faculties, the Heads of Schools, Directors of Teaching and Learning (Postgraduate), and committees of various professional schools.

The Dean is responsible for convening meetings of the Graduate Studies Committee and transmitting the decisions and views of the Committee to the University Council and Board. The Dean of Graduate Studies is also responsible for the allocation of College research awards.

The Graduate Studies Committee is a Committee of the University Council and acts as an advisory committee to the Dean and to the Council. Its membership is not fixed by Statute but following the Board decision in January 2005, it consists of the Directors of Teaching and Learning (Postgraduate) in the Schools in College. In addition the committee includes two elected representatives from the Graduate Students' Union, the Dean of Research as an *ex officio* member; the Keeper of Readers' Services is in attendance as an *ex officio* member and a representative of Information System Services is also in attendance. In order to accommodate current or forthcoming academic developments the Dean of Graduate Studies may propose to augment the committee through nomination to it, annually, of two non-voting members. Members of the Academic Appeals Committee for graduate students are drawn from the Graduate Studies Committee.

1.3 *Academic year and terms 2007-2008*

The academic year begins on 10th September 2007. It is divided into three terms, Michaelmas term (10th September - 14th December), Hilary term (7th January - 14th March), Trinity term (31st March - 12th July). The period during which instruction is given is called teaching term.

1.4 *Public and other holidays within academic terms*

On the following days (which may fall within the academic terms) no lectures, demonstrations or examinations are held: St Patrick's Day, Good Friday, Easter Monday, May Monday, June Monday, October Monday, together with the Monday and the afternoon of the Wednesday of Trinity Week. All offices and libraries remain open on Trinity Monday.

1.5 *Language of Instruction*

The language of instruction and communication at the University is English, and all applicants whose first language is not English and who have not been educated through the medium of English must present one of the following qualifications in the English Language:

Examination	Minimum Level Required
IELTS	Grade 6.5
TOEFL	230 – computer-based 570 – paper-based
Cambridge Certificate of Advanced English	Grade C
Cambridge Certificate of Proficiency in English	Grade C

1.6 *Application*

Before entry upon research or a course of study leading to a higher degree or postgraduate diploma, application for registration as a graduate student must be made to the Graduate Studies Office or the Course Director, as stated in Prospectus 2007, on the prescribed form, accompanied by the 2007-08 academic year application fee of €48 and two academic references.

Submissions for a higher doctorate degree by published research (Doctor in Divinity (D.D.), Doctor in Laws (LL.D.), Doctor in Letters (Litt.D.), Doctor in Music (Mus.D.) and Doctor in Science (Sc.D.)) are made to the Dean of Graduate Studies by 1 September.

1.7 *Admission*

The right to admit applicants to the Graduate Studies register rests with the Dean, who is guided by the Director of Teaching and Learning (Postgraduate) in the School in which the prospective students wish to pursue their research, or by the Course Co-ordinator/Director for

graduate courses in consultation with the appropriate Director of Teaching and Learning (Postgraduate). Admission criteria are given under individual entries in Sections 2, 3, 4 and 6.

1.8 *Registration*

Registered graduate students are members of the University and are entitled to similar rights and privileges as undergraduate students.

All graduate students are required to attend for registration in the Examination Hall on 27th September and 28th September 2007. Graduate students admitted to the appropriate postgraduate register on 1st April must register in the Student Records Office from 1st April to the 4th April 2007 (inclusive) and, where continuing registration is required, should re-register by the same date annually.

Students who qualify for postal registration must apply in writing to the Student Records Office who will send postal registration forms to applicants after the appropriate fees have been paid.

A charge of €206 will be imposed for late registration (*i.e.* after 19th October 2007), increasing to €349 after 9th November 2007. If late registration has not been completed by 14th December 2007, graduate students must apply for re-admission to College and pay a replacement fee of €349. Graduate students must apply to the Dean of Graduate Studies for formal permission for re-admission.

In the case of graduate students admitted to the appropriate postgraduate register on 1st April, a charge of €206 will be imposed for registration after 17th April 2008. If late registration has not been completed by 30th April 2008, graduate students must apply for re-admission to College and pay a replacement fee of €349.

It should be noted that registration cannot be completed until any debts owing to the College have been paid and until fees for the forthcoming year have been paid, or pledged as payable by an education authority. Late registration and replacement charges will be enforced unless *ad misericordiam* grounds are presented to the Dean of Graduate Studies and confirmed with documentation.

1.9 *Registration for a second degree/postgraduate diploma*

A graduate student may not normally be registered on the undergraduate and postgraduate registers of the University at the same time.

Normally graduate students registered for one postgraduate course in the University cannot apply to register for a second. However, when a second course will be of academic benefit to a graduate student through its complement to a first course, the graduate student may make a case to the Dean of Graduate Studies to be allowed to register simultaneously for the second. The second course must not be a full-time degree course. The Dean of Graduate Studies may refer such cases, as necessary, to the Graduate Studies Committee. If permission is granted to register for two courses simultaneously, only one fee is payable, that which is the higher of the two.

When, during the period of research, graduate students wish to register in another institution for a course of study related to their research, they should apply to the Dean of Graduate Studies for permission to go off-register for the length of their registration in the other institution.

1.10 *Awarding of the same degree twice*

The University awards a degree with a particular generic title only once. Therefore, if, for example, a student is conferred with a M.Sc. they cannot then be conferred with a second M.Sc. for a subsequent course, even if it is in another discipline.

1.11 *Part-time Registration*

Part-time registration is permitted under certain circumstances. Details of the requirements are given, as appropriate, in Sections 2 (research degrees), 3 and 6 (taught courses) and 4 and 6 (professional higher and other degrees).

1.12 *Good Research Practice*

Upon admittance to their programme, students are required to familiarise themselves with the College policy document 'Good Research Practice' and undertake upon registration to abide by its conditions for the duration of their study. The document is available on the website at: http://www.tcd.ie/research_innovation/research/internal/documents.php

1.13 *Acceptance of Regulations*

During the registration process, all graduate students must sign their registration form to confirm, among other things, that they have received a copy of the Board's general regulations for graduate students (*i.e.* these regulations); that they have accepted that their conduct in respect of College is governed by these regulations and that they are applying for registration in accordance with the provisions of such regulations. Graduate students must ensure that they are familiar with both the general regulations and the more detailed school regulations. Graduate Students should note in particular the regulations relating to student discipline in Section 5.

In the event of any conflict or inconsistency between the general regulations and local handbooks, the provisions of the general regulations shall prevail.

1.14 *Change of Address*

Registered graduate students must immediately inform the Student Records Office by filling in the Change of Address form available from Student Records, and inform their Director of Teaching and Learning (Postgraduate) of change of address, and ensure that contact can be maintained with them.

1.15 *Annual Fees*

A portion of the postgraduate fees section of the College Calendar Part 1 is reproduced for information purposes in Section 8. The College Calendar Part 1 must therefore be consulted for a definite list of annual fees.

As approved by Board on 3 December 2003, applications for admission are classified as EU applications or non-EU applications for the purpose of fee payment. An EU application is one made by a person who fulfils one or more of the following criteria:

- a) who is ordinarily resident in the EU and who has received full-time further or higher education in the EU for three of the five years immediately preceding admission; or
- b) who is ordinarily resident in the EU and has worked full-time in the EU for three of the five years immediately preceding admission; or
- c) who holds a passport from an EU State and has received full-time further or higher education in the EU for three of the five years immediately preceding admission.

Applications from children of

- a) EU government officials living abroad,
- b) Semi-state officials who are on assignment in countries outside the EU
- c) Volunteer development workers, and
- d) Certain EU officials as approved by the Department of Foreign Affairs are treated as EU applications.

All other applications are considered to be non-EU applications. Students who have had periods of residence outside the EU are required to provide documentary evidence for their claim for EU fee status. This evidence must be presented with the application.

A student's registered status (EU/non-EU) cannot be changed during a programme for which s/he is registered. Note that full-time education in the EU does not in itself constitute ordinary residence.

To be admitted to the postgraduate register in October graduate students must pay the prescribed fee by 31st August, or within seven days of being notified of their acceptance on the register (if notified after 24th August). Students accepted on the register at 1st April must pay the prescribed fee by that date. Continuing graduate students must pay the prescribed annual fee before the due date prior to their date of registration. Students must continue to pay the prescribed annual fee and register each year until (i) in the case of graduate students registered for a degree by research only and for graduate students undertaking a professional higher degree, they have formally submitted their thesis to the Graduate Studies Office for examination and the examination process has been completed or (ii) in the case of graduate students registered for a Masters course, have formally completed their course requirements and submitted their dissertation for examination or (iii) in the case of Postgraduate Diploma students, their course is completed.

EU fee paying graduate students who are liable for the full annual tuition fee may take the option of paying their annual tuition fees in two instalments. Non-EU fee paying graduate students must pay their annual tuition fee in full prior to registration. The amount payable will be as set out on

each individual graduate student's fee payment form. The second instalment will be payable by 1st February (1st August for graduate students who register in April). Payment after this date will be subject to a late charge of €206. If fees are still unpaid after four weeks from the due date a replacement fee of €349 will apply. The second instalment is payable automatically.

Research students in their first continuation year (*i.e.* an academic standing either in the 4th year on the Ph.D. register or the 3rd year on the Masters register) are eligible for the "partial fee refund scheme". Those research students who submit their thesis before 1st April (or 1st October for April registrants) may apply to the Dean of Graduate Studies for a refund of 50% of their continuation fee for that academic year.

1.16 *Attendance and off-books*

Normally, all graduate students should enter into residence in or near Dublin. In exceptional circumstances the Dean of Graduate Studies, after consultation with the graduate student's Supervisor, appropriate Course Co-ordinators/Directors, may permit a graduate student to undertake a significant portion of the work for their degree or postgraduate diploma outside Dublin (See Sections 2, 3 and 6).

Normally, graduate students must pursue their course continuously. In exceptional circumstances the Dean of Graduate Studies, after consultation with the graduate student's Supervisor and appropriate Course Co-ordinators/Directors, may permit graduate students to go 'off-books' (*i.e.* off-register) where to do so in the judgement of the Dean of Graduate Studies is in the best interests of the graduate student. Application to go off-books should be made to the Dean of Graduate Studies via the student's Supervisor/Course Co-ordinator or the relevant Director of Teaching and Learning (Postgraduate). During the period of interruption graduate students are not required to pay fees. Consequently they will not have a student card during this period and will not have access rights to the college library or other college facilities.

"Off-books" permission is given for a definite period, and a re-admission request from the student to the Dean of Graduate Studies is required prior to re-registration. Students who for reasons of ill-health, or other grave cause, have been allowed to go off the books can only be re-admitted, even in the current academic year, at the discretion of the Dean of Graduate Studies, who may require a satisfactory certificate from a medical referee nominated by him/her. Permission for an "off-books" period is given for a definite duration and the onus is on the student to ensure that they pursue their course continuously as otherwise they will be considered "withdrawn" from the course.

Details of the attendance requirements are given, as appropriate, in Sections 2 (research degrees) and 3 (taught courses).

1.17 *Extensions and "Dean's Grace"*

Details are given, as appropriate, in Sections 2 (research degrees), 3 (taught courses) and 4 (professional higher and other degrees). "Dean's Grace" extension for one month only (free of fees) to submit a thesis/dissertation may be requested from the Dean of Graduate Studies by the student's Supervisor/Course Co-ordinator prior to the deadline of the student's annual registration.

1.18 *Maternity, Paternity and Adoptive Leave*

Full-time female graduate students undertaking a thesis/dissertation may seek and be granted 26 consecutive weeks maternity leave subject to the following conditions:

a) the maternity leave must commence not later than 2 weeks before the expected date of birth and end not earlier than 4 weeks after the expected date of birth.

b) the graduate student must notify her Supervisor/Course Co-ordinator in writing as soon as reasonably practicable, but not later than 4 weeks before the commencement of maternity leave, of her intention to take maternity leave. Additionally, not later than the time of the above notification, she is obliged to supply the Supervisor/Course Co-ordinator with a medical certificate confirming the pregnancy and specifying the expected date of birth. The Supervisor/Course Co-ordinator must then immediately forward her request for leave to the Dean of Graduate Studies.

A graduate student undertaking a thesis/dissertation may, if she chooses, take up to 4 consecutive weeks additional maternity leave immediately after her maternity leave subject to the following condition: she should give reasonable notice to her Supervisor/Course Co-ordinator of her intention to do so at the same time as she gives notification of her intention to take maternity leave. The Supervisor/Course Co-ordinator must inform the Dean of Graduate Studies of the graduate student's intention.

Graduate students on maternity leave will be considered to be 'off-books' and appropriate adjustments will be made in relation to their submission dates and completion times.

Paternity leave for male graduate students on the postgraduate register is available by application to the Dean of Graduate Studies on *ad misericordiam* grounds relating to the pregnancy of their partner for a maximum of 4 weeks only. Students requiring more extended periods must apply to go 'off-books' (see this Section Paragraph 1.16).

Adoptive leave of 16 weeks duration is available to adoptive mothers from the time the child is placed with the parents. Adoptive fathers may also apply for adoptive leave of 4 weeks duration. The graduate student must notify her/his Supervisor/Course Co-ordinator in writing as soon as reasonably practicable, but normally not later than 4 weeks before the commencement of adoptive leave, of her/his intention to take adoptive leave. The Supervisor/Course Co-ordinator must then immediately forward her/his request for leave to the Dean of Graduate Studies.

Students undertaking a taught course or an obligatory taught element of another class of degree and who seek and are granted maternity or adoptive leave will be placed off-books for that course, being allowed to return to it at the first available opportunity (normally either in a year's time for full-time courses or in two years time for part-time courses). Such graduate students must inform their Course Co-ordinator/Director of their pregnancy who must, in turn, immediately forward the request for leave to the Dean of Graduate Studies.

1.19 *Coursework*

Students may be required to perform course-work as part of the requirements of their course of study. The assessment of course-work may be based on the writing of essays, the setting of tests and assessments, attendance at practical classes and field trips, the keeping and handing in of practical books, the carrying out of laboratory or field projects, and the satisfactory completion of professional placements. The Faculty, school or department, whichever is appropriate, publishes its requirements for satisfactory performance of course-work on Faculty or school notice-boards and/or in handbooks and/or other course materials, as appropriate.

1.20 *Examinations excluding theses and dissertations*

Details of the examination requirements and procedures are presented in Sections 3, 4 and 6. Further details are obtainable from the appropriate course handbook. The following information relates to all examination results:

1. All postgraduate examination results are published under a student's registered name.
2. Students who successfully complete their course will have the qualification, where appropriate, awarded under their registered name and within class.

1.21 *Conduct of examinations (excluding viva voce)*

Candidates for examination are forbidden to bring into an examination hall or have in their possession during an examination any books or papers or notes or memoranda or written or electronic material of any nature. They are also forbidden to copy from or exchange information with other persons or in any way to make use of any information improperly obtained. Any breach of this regulation is regarded as a major offence for which a graduate student may be expelled from the University (see Section 5, paragraph 5.2). Candidates are permitted to bring non-programmable calculators into the examination hall.* Candidates must not leave the hall before the time specified for the examination has elapsed, except by leave of the invigilator. Examinations or other exercises which are part of continuous assessment are subject to the same rules as other College examinations. Examinations undertaken remotely (*i.e.* electronically) are also subject to the same rules as other College examinations. Where submitted work is part of a procedure of assessment, plagiarism is similarly regarded as a major offence and is liable to similar penalties (See Paragraph 1.24).

* The College has approved in principle a regulation requiring that only approved models of calculators can be used in examinations. When this regulation becomes effective, students will be required to use an approved model.

1.22 *Regulations for re-checking/re-marking and retention of examination scripts*

1. All graduate students have a right to discuss their examination and assessment performances with the appropriate members of staff as arranged for by the Director of Teaching and Learning (Postgraduate) in their School. This right is basic to the educational process.

2. Students are entitled to view their scripts when discussing their examinations and assessment performance.

3. Graduate students' examination performance cannot be discussed with them until after the publication of the examination results.

4. To obtain access to the breakdown of their results, graduate students should make a request to their Course Co-ordinator/Director.

5. Having received information about their results and having discussed these and their performance with the appropriate staff, and if required, the Director of Teaching and Learning (Postgraduate), graduate students may ask that their results be reconsidered, within two weeks of their publication, if they have reason to believe

a) that the grade is incorrect because of an error in calculation of results

b) that the examination paper specific to the graduate student's course contained questions on subjects which were not part of the course prescribed for the examination or

c) that bias was shown by an examiner in marking the script.

6. In the case of a) above, the request should be made to their Course Co-ordinator/Director.

7. In the case of b) and/or c) above, the request should be made to the Dean of Graduate Studies who may refer such cases to the Academic Appeals Committee for Graduate Students. In submitting such a case for reconsideration of results, graduate students should state under which of 5 b) and/or 5 c) the request is being made. Once an examination result has been published it cannot be amended without the permission of the Dean of Graduate Studies.

8. Retention of scripts: all examination materials relevant to the performance of any candidate must be retained by schools for thirteen months from the date of the meeting of the final Court of Examiners. Such materials will include, not only examination scripts, essays, etc., but also any written information directly related to the completion and marking of any assessment exercise written or otherwise performed.

Examination scripts and other completed written assessment materials relating to work done in an earlier year that has not been finally marked and/or moderated should be retained until the work of the final Court of Examiners has been completed. In the case of students going off books, scripts for which the marks have been moderated by the Court of Examiners prior to the student going off books are not normally retained for longer than thirteen months."

Final submissions of taught Masters Dissertations should be retained for at least five years by the schools.

1.23 *Academic Appeals Committee for Graduate Students*

The Academic Appeals Committee for Graduate Students will consider appeals arising out of examinations, and other academic circumstances, from registered graduate students where the graduate student's case (i) is not adequately covered by the ordinary regulations of the College, or (ii) is based on a claim that the regulations of the College were not properly applied in the applicant's case, or (iii) represents an *ad misericordiam* appeal.

An appeal other than an *ad misericordiam* cannot be made against the normal application of College academic regulations approved by the University Council. Appellants should first have pursued the course of action most appropriate to their case (See this Section, Paragraph 1.21; Section 2, Paragraphs 2.13 to 2.16; Section 3, Paragraph 3.7 and Section 4, Paragraph 4.4). The Academic Appeals Committee will consider appeals concerning events occurring more than 4 months previously only in the most exceptional circumstances. Further details are given, as appropriate, in Sections 2 (research degrees) and 3 (taught courses).

1.24 *Plagiarism*

1. Plagiarism is interpreted by the University as the act of presenting the work of others as one's own work, without acknowledgement.

Plagiarism is considered as academically fraudulent, and an offence against University discipline. The University considers plagiarism to be a major offence, and subject to the disciplinary procedures of the University.

2. Plagiarism can arise from deliberate actions and also through careless thinking and/or methodology. The offence lies not in the attitude or intention of the perpetrator, but in the action and in its consequences.

Plagiarism can arise from actions such as:

- a) copying another student's work
- b) enlisting another person or persons to complete an assignment on the student's behalf
- c) quoting directly, without acknowledgement, from books, articles or other sources, either in printed, recorded or electronic format
- d) paraphrasing, without acknowledgement, the writings of other authors

Examples c) and d) in particular can arise through careless thinking and/or methodology where students:

- (i) fail to distinguish between their own ideas and those of others
- (ii) fail to take proper notes during preliminary research and therefore lose track of the sources from which the notes were drawn
- (iii) fail to distinguish between information which needs no acknowledgement because it is firmly in the public domain, and information which might be widely known, but which nevertheless requires some sort of acknowledgement
- (iv) come across a distinctive methodology or idea and fail to record its source.

All the above serve only as examples and are not exhaustive.

Students should submit work done in co-operation with other students only when it is done with the full knowledge and permission of the lecturer concerned. Without this, work submitted which is the product of collusion with other students may be considered to be plagiarism.

When work is submitted as the result of a Group Project, it is the responsibility of all students in the Group to ensure, in so far as possible, that no work submitted by the Group is plagiarised.

3. It is clearly understood that all members of the academic community use and build on the work of others. It is commonly accepted also, however, that we build on the work of others in an open and explicit manner, and with due acknowledgement. Many cases of plagiarism that arise could be avoided by following some simple guidelines:

- a) any material used in a piece of work, of any form, that is not the original thought of author should be fully referenced in the work and attributed to its source. The material should either be quoted directly or paraphrased. Either way, an explicit citation of the work referred to should be provided, in the text, in a footnote, or both. Not to do so is to commit plagiarism
- b) when taking notes from any source it is very important to record the precise words or ideas that are being used and their precise sources
- c) while the Internet often offers a wider range of possibilities for researching particular themes, it also requires particular attention to be paid to the distinction between one's own work and the work of others. Particular care should be taken to keep track of the source of the electronic information obtained from the Internet or other electronic sources and ensure that it is explicitly and correctly acknowledged

4. It is the responsibility of the author of any work to ensure that he/she does not commit plagiarism.

5. Students should ensure the integrity of their work by seeking advice from their Lecturers, Course Co-ordinator, Director or Supervisor on avoiding plagiarism. All schools should include, in their handbooks or other literature given to students, advice on the appropriate methodology for the kind of work that students will be expected to undertake.

6. If plagiarism as referred to in Paragraph (2) above is suspected, the Director of Teaching and Learning (Postgraduate) or Head of Discipline as appropriate¹ will arrange an informal meeting with the student, the student's Supervisor², and the academic staff member concerned, to put their suspicions to the student and give the student the opportunity to respond.

7. If the Head of School or Discipline forms the view that plagiarism has taken place, he/she must decide if the offence can be dealt with under the summary procedure set out below. In order for this summary procedure to be followed, all parties noted above must be in agreement. If the facts of the case are in dispute, or if the Head of School/Discipline feels that the penalties provided for under the summary procedure below are inappropriate given the circumstances of the case, he/she will refer the case directly to the Junior Dean, who will interview the student and may implement the procedures set out in Section 5 (Other General Regulations).

8. If the offence can be dealt with under the summary procedure, the Head of School/Discipline will recommend to the Dean of Graduate Studies one of the following penalties:

- a) that the piece of work in question receives a reduced mark, or a mark of zero;
- or
- b) if satisfactory completion of the piece of work is deemed essential for the student to rise with his/her year or to proceed to the award of a degree, the student may be required to re-submit the work. However, the student may not receive more than the minimum pass mark applicable to the piece of work on satisfactory re-submission.

9. Provided that the appropriate procedure has been followed and all parties above are in agreement with the proposed penalty, the Dean of Graduate Studies may approve the penalty and notify the Junior Dean accordingly. The Junior Dean may nevertheless implement the procedures set out in Section 5 (Other General Regulations).

¹ This will be done by the Head of School. The Director of Teaching and Learning (Postgraduate) may also attend the meeting as appropriate.

² As an alternative, students may nominate a representative from the Graduate Students' Union to accompany them to the meeting.

1.25 *Academic progress*

The Board of the College reserves the right to exclude from the College, on the recommendation of the University Council, graduate students whose academic progress is unsatisfactory. Normally, students who fail to satisfy the requirements of their year are not permitted to repeat the year.

1.26 *Level descriptors for major award types*

Qualifications under the categories listed below are awarded to students who have completed a programme of study in relation to each category under 1.26.1 to 1.26.6:

1.26.1 *Higher Diplomas (Level 8, National Framework of Qualifications):*

- a comprehension of the theory, concepts, methods and processes pertaining to a specialised field of study
- a detailed knowledge of this specialised area, some of it at the current boundaries of the field
- that they can demonstrate mastery of complex and specialised skills and tools, use and modify them to conduct closely guided research, or professional or advanced technical activity
- that they can use advanced skills to conduct research, or advanced technical or professional activity, and that they can apply diagnostic and creative skills in a range of contexts
- that they can act effectively under guidance of qualified practitioners in a peer relationship within multiple, complex and heterogeneous groups
- that they can act in unfamiliar learning contexts with independence, professionalism and an ethical awareness
- that they can communicate the results of their research or advanced technical and professional learning to both specialist and non-specialist audiences
- that they have developed those learning skills which are necessary for them to progress to programmes leading to Postgraduate Diplomas or Masters degrees.

1.26.2 *Masters Degrees (Level 9, National Framework of Qualifications):*

- knowledge and comprehension that is founded upon, extends and enhances that associated with the Bachelor's level and is at the forefront of a field of learning
- a critical awareness of current problems and new insights, new tools and new processes within their field of learning, or the development of professional skills
- that they can apply their knowledge and comprehension, their critical awareness and problem solving abilities, within the context of research, or in the development of professional skills, in broader or multidisciplinary areas related to their fields of study
- that they have the ability to integrate knowledge and handle complexity, to formulate judgements with incomplete or limited information, either individually or in groups, which includes (where relevant) reflecting on social and ethical responsibilities linked to the application of their knowledge and judgements

- that they can lead or initiate activity, and take responsibility for the intellectual activities of individuals or groups
- that they can communicate their conclusions, and knowledge, rationale and processes underpinning these, to specialist and non-specialist audiences clearly and unambiguously
- that they possess the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous.

1.26.3 *Postgraduate Diplomas (Level 9, National Framework of Qualifications):*

- a systematic comprehension of a closely defined and specialised field of knowledge at the forefront of its development
- a critical awareness of current problems and new developments at the forefront of the field of learning
- that they can demonstrate and use a range of standard and specialised research tools and techniques of enquiry
- that they can select appropriately from a range of complex and advanced skills and techniques within a specialised field of learning, and develop new skills and techniques at a high level
- that they can act in a wide variety of professional situations which are often unpredictable and ill-defined
- that they can take significant responsibility for their own activity and for the activity of others, either individually or in groups, and that they can initiate such activity having due regard for the professional, social and ethical implications of their actions
- that they can communicate the results of their research or advanced technical and professional learning to both specialist and non-specialist audiences
- that they have developed those learning skills which are necessary for them to progress to programmes leading to Masters or Doctoral degrees.

1.26.4 *Doctoral Degrees (Level 10, National Framework of Qualifications):*

- a systematic comprehension of a field of study and mastery of the skills and methods of research associated with that field
- that they have the ability to conceive, design, implement and adapt a substantial process of research with scholarly integrity, rigour and discrimination, which may involve the development of new skills, techniques, tools, practices or materials
- that they are capable of critical analysis, evaluation and synthesis of new and complex ideas
- that they have made a significant contribution through original research that extends the frontiers of knowledge or the parameters of professional practice by developing a body of work, some of which merits publication in national or international refereed publications
- that they can communicate with their peers, practitioners in their own professions, the larger scholarly community and with society in general about their areas of expertise in a sustained and exact manner
- that they can be expected to be able to promote, with due regard to ethical considerations, within academic and professional contexts, scientific, technological, social or cultural advancement in a knowledge-based society.

1.26.5 *Higher Doctorates (Level 10, National Framework of Qualifications):*

These awards recognise distinguished and sustained contributions to learning. They are not based on a provider's programme, and, as such, are not subject to validation but are assessed by the awarding body for each individual learner through a stringent peer-review system. They are few and rare. Those who hold this award have been able to show:

- that they can develop a large and coherent body of knowledge which is, and has been over a long period of time, at the forefront of their particular field of learning
- that they have created seminal knowledge, through sustained and original research, which is of a quality to merit the admiration of their peers
- that they have to their credit a large body of work published in peer review contexts
- that through their research and publication they have decisively altered the paradigms and norms in their particular fields of learning
- that they are recognised as leading authorities in their fields of learning, influencing and guiding others over a long period of time

- that they have demonstrated by their scholarship that they are fitted to initiate and contribute to debates on the professional, social and ethical aspects of their fields of learning
- high achievement in creative endeavours.

1.26.6 *Professional Awards*

Degrees and Diplomas awarded by the University of Dublin which lead to professional qualifications are subject to validation by external bodies. These bodies define criteria which holders of professional qualifications have to meet. It is therefore not appropriate that the University of Dublin should define its own learning outcomes and level descriptors in these cases and reference should be made to the appropriate validating bodies.

1.27 *Credit weighting of courses*

The ECTS is an academic credit transfer and accumulation system representing the student workload required to achieve the specified objectives of a study programme. In College, 1 ECTS unit is defined as 20-25 hours of student input. The norm for full-time taught postgraduate courses of one academic year's duration is 60 ECTS for Postgraduate Diploma courses, and 90 ECTS for Masters courses (inclusive of the Masters research dissertation normally of 30 ECTS weight). The practice in College is to allow variation within the 60 ECTS band where it may be appropriate for professional or academic reasons that the ECTS credits attributed to a particular postgraduate course may be in excess of the recommended norms.

1.28 *Notice required for conferring degrees at Commencements*

When the results of an examination have been published, successful candidates at that examination who seek to have the degree conferred on them at a particular Commencements ceremony must give notice on the prescribed form obtainable from the Proctors' Office. They must return it so as to reach that office not later than twenty-eight days before the first date of that group of Commencements ceremonies (thirty-one days in the case of Winter Commencements). A Commencements fee of €111 (2007/2008 fee) must accompany the application form.

1.29 *Demonstrating, Tutoring, Teaching, Invigilating, etc.*

Graduate students may be required to demonstrate or otherwise assist in the work of their School/Discipline, at the discretion of the Head of the School/Discipline. Such work will be paid for at agreed College rates and must not exceed six hours per week on average, except in circumstances agreed between the graduate student, Head of School and Dean of Graduate Studies, as appropriate. Students who are in receipt of College awards may not earn for such activity in excess of the current income level of €18,000 (after payment of fees), (see Section 7).

1.30 *The Library **

Graduate students eligible to borrow Library books in addition to those in the separate student lending collections should return their completed and signed Library Bonds to the Admissions Desk in the Berkeley Library two working days before registration. The Student Records Office will then issue the students with Identity Cards bearing the relevant borrowing indication.

Readers, including all graduate students, are required to observe the terms of the Library Declaration and the other Library Regulations as described in the College Calendar [Part I Section H and J].

The Library Declaration is:

'Ego....., solemniter promitto, me, quoties in Bibliothecam hujus Collegii venire contigerit, libros ceteramque Bibliothecae supellectilem sic tractaturum, ut superesse quam diutissime possint. Promitto etiam quod neque ipse librum aliquem asportabo, sponte corrumpam, interscribam, aut alio quovis modo abutar, nec ab aliis haec fieri (quantum in me est) permittam. Quae omnia et singula, et omnia Bibliothecae statuta (quantum ad me attinet), me fideliter observaturum promitto, et spondeo.'

The following is a translation of the declaration:

'I,....., do solemnly promise that, whenever I enter the Library, I will treat the books and other furniture of the Library in such fashion that they may last as long as possible. I further promise that neither will I myself take away any book nor designedly damage or write in or badly treat in any way whatever any book, nor so far as in me lies will I suffer such things to be done by others. All and

each of which things and all the Statutes of the Library, in as far as they concern me, I promise and vow faithfully to observe.’

Graduate students are admitted to the reading rooms on production of a current Identity Card and are required to observe the general Library Regulations.

Library regulations

(i) It is a breach of the Library regulations to attempt to enter any Library building by use of another reader’s Identity Card. Readers must show their Identity Card or Library Card on request to any member of the Library staff when within the Library.

(ii) Readers before leaving Library buildings must present all books, bags and briefcases to the guards for inspection. No Library book may be taken out of a Library building except a book the loan of which is permitted and which has been recorded by the Library staff as being on loan to the reader.

(iii) Mutilation or defacement of any book or article of Library property is regarded as a major offence.

(iv) Readers may not use bottles of ink or correction fluid in the Library, nor may such substances be left on desks or in reading rooms.

(v) Silence must be observed as far as possible in all parts of the Library. The use, in a manner causing noise or disturbance, of electrical equipment such as computers, mobile phones, personal stereos, or radios is prohibited. Except in respect of computers in specifically designated areas, the Library does not make power outlets available for such electrical equipment. Users of computers in the Library are reminded that they must also comply with the college’s IT and network code of conduct and other regulations for the time being in force.

(vi) Smoking and the consumption of food and drink are forbidden in all parts of the Library open to readers, and no items of food or drink may be left on desks or in reading rooms.

(vii) Readers are not allowed to bring visitors into the reading rooms.

(viii) Readers are not permitted to reserve seats by leaving their belongings or books on seats and desks. The Library staff may move any property left at unoccupied desks or seats for more than 15 minutes except for officially reserved seats and carrels.

(ix) Readers are at all times responsible for their own property.

(x) Readers are required to comply with the provisions of the Copyright and Related Rights Acts, 2000 and 2004 when making photocopies from material which enjoys copyright protection. Failure to comply may expose the person to potential civil liability and, in the case of a student or staff member of College, to College disciplinary procedures. The attention of readers is drawn to the notices on display beside all photocopying machines in the Library.

Sanctions for breach of Library regulations

Breach of the Library regulations will result in sanction by the Librarian, the Junior Dean or the Disciplinary Committee, as appropriate. Appeal against a Library penalty or decision of the Junior Dean is to the Disciplinary Committee. The Librarian operates a system of penalties (as approved from time to time by the Board) for breaches of the Library regulations. Penalties may include fines, administrative and other charges, ejection and temporary or permanent exclusion from the Library and/or the College and/or the University, and the confiscation of any personal property brought into or used within the Library in breach of library and/or any other applicable college regulations. The Library shall not be responsible, in any way whatsoever, for any property so confiscated.

Graduate students who have passed their final examinations are required to return all books to the Library following their examinations within one month before they may proceed to Commencements. The Library will return records of books and fines outstanding to the Proctors’ Office, for the purpose of alerting students to their obligation to clear their Library records so that they may proceed to Commencements.

*The regulations governing student discipline set out in this edition of the University Calendar come into effect on 1 November 2007 and the regulations set out in the 2006/07 edition of the University Calendar remain in force until that date.

1.31 *Data protection*

The College is registered as a 'data controller' under the Data Protection Act 1988. All graduate students are required, in addition to their general obligations under the Act, to comply with the terms of the College's registration and the regulations relating to data protection which may from time to time be laid down by the Board of the College.

1.32 *Photocopying and Copyright*

All users of College photocopying equipment are required to comply with the provisions of the Copyright and Related Rights Act 2000 when making photocopies from material which enjoys copyright protection.

Students are obliged to comply with the provisions of copyright and licences as they apply to individual computer programmes.

Failure to comply may expose the person to potential civil liability and to College disciplinary procedures.

1.33 *The submission of theses and dissertations*

1.33.1 *General.* Candidates and Supervisors should note that these requirements are mandatory and they are asked to familiarise themselves with the information below. Theses must meet all the requirements set out below. *Please note:* from time to time the Dean of Graduate Studies may approve other formats on an individual basis.

1.33.2 *Language.* A thesis or dissertation should be written in English or Irish unless prior permission has been granted for the use of another language by the Dean of Graduate Studies. A candidate who wishes to write a thesis or dissertation in a language other than English or Irish should initially contact his/her Supervisor/Course Co-ordinator. The Supervisor/Course Co-ordinator will then consult with his/her Director of Teaching and Learning (Postgraduate). If the latter can satisfy him/herself that a) there are sound academic reasons for the thesis or dissertation to be written in a language other than English or Irish and b) that the candidate has the necessary skills/fluency in the relevant language, then the Director of Teaching and Learning (Postgraduate) should send a summary of the case under the two headings outlined above to the Dean of Graduate Studies. The Dean of Graduate Studies will normally be guided by the recommendation of the Director of Teaching and Learning (Postgraduate), but may refer the matter to the Graduate Studies Committee if s/he deems it necessary.

1.33.3 *Published Work.* A thesis submitted for a higher degree may be based on, or include, writings already published by the candidate, if the studies from which they derive have been carried out during the period of registration on the higher degree register. Such writings must be fully integrated into the body of the thesis.

1.33.4 *Length.* A thesis must be written concisely. Dissertations submitted in fulfilment of the requirements of a postgraduate taught course are limited to the length prescribed in the individual course regulations (see below in Sections 4 and 6). Normally a Ph.D. thesis should not exceed 100,000 words of text (exclusive of footnotes and bibliography) and a M.Litt. or M.Sc. (by research) thesis, 60,000 words of text (exclusive of footnotes and bibliography), and for scientific or technical subjects will normally be shorter. If a thesis is likely to exceed these limits, the Dean of Graduate Studies must be advised of its estimated length and her/his permission obtained at an early stage in the writing. Additional material, such as numerical appendices, listings of computer programs and textual footnotes, may be bound in a separate volume. Where the combined length of text, footnotes and appendices, etc. exceeds 400 pages the thesis must be bound in two volumes.

1.33.5 *Typescript and illustrations.* The thesis must be printed on good quality, A4 (297 x 210mm) white paper. The type must be fully formed as in the output of a laser or ink jet printer. The output of dot matrix printers is not acceptable. The type must be black and not less than 10 point. Line-spacing must be at one and a half or double spacing between lines. The gutter margin of both text and diagrams must not be less than 35 mm and that on the other three sides not less than 20 mm. **The two copies of the thesis for examination should be soft-bound (not ringbound) and printed on one side of the page only. It is required that the hard-bound copy of a thesis will be printed on both sides of the page on paper of a weight of at least 90 gsm** (exceptions are at the discretion

of the Dean of Graduate Studies). A copy of the hard-bound thesis will be lodged in the Library following approval by Council. Colour photocopies and scanned images may be used in the copy of the thesis deposited in the Library.

1.33.6 *Cover.* A thesis which has been examined and in which all necessary corrections have been completed must be securely bound in hard covers with dark blue cloth. The final size when bound must not exceed 320 x 240 mm.

1.33.7 *Title.* The title of the thesis must be written in full on the title page of each volume of the thesis. The degree for which the thesis has been submitted, the year, and the name of the candidate, in that order, should be lettered in gold, in 24 pt or larger type, down the spine, so as to be readable when the volume is lying flat with the front cover uppermost. The title must also appear in gold lettering on the front cover of the thesis. The year on the spine and title page must be the year that the thesis was approved by Council (not the year of initial submission).

1.33.8 *Declaration.* The thesis must contain immediately after the title page a signed declaration that

- a) it has not been submitted as an exercise for a degree at this or any other University,
- b) it is entirely the candidate's own work (in the case of a thesis for which the work has been carried out jointly; there must be a statement that it includes the unpublished and/or published work of others, duly acknowledged in the text wherever included) and
- c) the candidate agrees that the Library may lend or copy the thesis upon request. This permission covers only single copies made for study purposes, subject to normal conditions of acknowledgement. (See below for withheld access (a "stay") for such permission).

1.33.9 *Summary.* A succinct summary of the methods used and the major findings of the thesis must be bound into each copy of the thesis following the declaration page. It must not exceed two pages of typescript.

1.33.10 *Acknowledgements.* A formal statement of acknowledgements must be included in the thesis.

1.33.11 *References.* Systematic and complete reference to sources used and a classified list of all sources used must be included in the thesis. The titles of journals preferably should not be abbreviated; if they are, abbreviations must comply with an internationally recognised system (the format may vary according to the precedents and customs of the subject area; graduate students should consult with their Supervisor as to appropriate presentation).

1.33.12 *Abstract.* One copy of an abstract, printed on a single sheet of A4 paper, must be submitted loose with each copy of the soft-bound thesis. The abstract must contain the title of the thesis and the author's full names as a heading and may be single spaced. Two copies of an abstract must be submitted loose with the final hard-bound copy.

1.33.13 *Submission.* Two copies of the thesis, which may not be returned, and which for the first submission should be soft-bound, should be presented at the Graduate Studies Office, accompanied by two loose copies of the abstract. The thesis will not be accepted until it has been established that the candidate is currently registered on the higher degree register and that any outstanding fees have been paid.

1.33.14 *Access to theses.* One copy of every thesis approved for a higher degree is lodged in the custody of the Librarian in the University Library. A thesis so approved may be consulted or copied in the Library or through an inter-library loan. Users must undertake not to use or reproduce material so obtained without the consent of the Librarian and must acknowledge duly the source of such information.

1.33.15 *Withheld access (a "stay").* Should an author of a thesis wish to withhold permission for the use of her/his work, a written application must be made to the Dean of Graduate Studies at the time of submission of the thesis for examination. Such applications must have the

written support of the graduate student's Supervisor or Director of Teaching and Learning (Postgraduate), must state the reasons for the request for a stay on access and must provide a contact address. The maximum length of a stay is five years. During this period of withheld permission the thesis may be consulted, lent or copied only by written permission of the author who is under an obligation to reply to all inquiries within a reasonable time.

2. REGULATIONS FOR HIGHER DEGREES BY RESEARCH ONLY

(a) Degrees by Research and Thesis

2.1 *General*

Graduates of the University of Dublin, or of any other university approved by the University Council, and persons holding qualifications from other institutions which are, in the opinion of the University Council, for this purpose equivalent to a university degree, may apply for registration as graduate students reading for a higher degree by research only (Ph.D., M.Litt. and M.Sc. research only).

2.2 *Admission Requirements*

Candidates are normally required to possess a good honors degree (*i.e.* an upper second class (2.1) or first class honors degree), or equivalent qualification (*i.e.* a grade point average of at least 3.2). However possession of such a qualification does not guarantee acceptance.

Applicants not so qualified (*i.e.* those with a lower second class (2.2) honors degree or a grade point average of less than 3.2) will be accepted only in special circumstances and at the discretion of the Dean of Graduate Studies. Such applicants must produce satisfactory evidence that they have the ability to carry out research effectively, and they will normally be accepted initially on probation only (see this Section Paragraph 2.3 (a)). They may be required to enter as one-year graduate students not registered for a higher degree (see this Section Paragraph 2.3 (b)).

2.3 *Probation*

Applicants may be required to do either of the following before admission to the register:

(a) spend a probationary period working upon research in the discipline for which s/he has applied. If the candidate's work is satisfactory, the candidate's registration will be confirmed and deemed to date from the beginning of the probationary period. The fees for this period will be those required of a student registered for a higher degree or

(b) enter the University as a one-year graduate student not registered for a higher degree to read specific parts of an honors undergraduate course in the subject and to satisfy the Director of Teaching and Learning (Postgraduate) at a qualifying examination. On successful completion of this one-year course s/he may proceed to the postgraduate registration. The fees payable are set out in Section 8.

2.4 *Subject of Research*

Applicants are required upon registration to state the subject of their research; the subject proposed must be approved by the Director of Teaching and Learning (Postgraduate) to which it pertains, who must also be satisfied that the applicants are qualified to undertake the research stated to the standard required for the registered degree.

2.5 *Role of Director of Teaching and Learning (Postgraduate)*

It is the responsibility of Directors of Teaching and Learning (Postgraduate)* to ensure that the research chosen may be effectively undertaken in their School, and that sufficient resources and a suitable Supervisor can be provided for the period of study. They may decline to accept a student if they are not satisfied that these conditions can be met. It is also their responsibility to ensure that no members of staff of their school are required or allowed to take on more graduate students than they can reasonably supervise without adversely affecting the students' studies. They should also make provision for the continued supervision of graduate students whose Supervisors are no longer able to carry out their duties.

* The Director of Teaching and Learning (Postgraduate) may be known by another title in some Schools. See also Paragraph 2.6.

2.6 *Provision for other School Officers to act*

The Director of Teaching and Learning (Postgraduate) may devolve some of the functions of his or her role as detailed in this Section (Section 2) to a Head of Discipline/Department, subject to the agreement of the Head of School, and by informing the Dean of Graduate Studies. However, the

Director of Teaching and Learning (Postgraduate) still retains overall responsibility for Graduate Studies in the School.

The Head of School may act in place of the Director of Teaching and Learning (Postgraduate) in certain cases, with the agreement of the Dean of Graduate Studies.

2.7 *Progress and Continuing Registration*

A student registered for a higher degree by research only is required to carry out research in an appropriate branch of learning. This research must be carried out under the direction of a Supervisor approved by the Dean of Graduate Studies on the nomination of the appropriate Director of Teaching and Learning (Postgraduate).

Students are required to attend such courses as are laid down by the Supervisor in consultation with the appropriate Director of Teaching and Learning (Postgraduate) and the Dean of Graduate Studies. The progress of graduate students will be reviewed each year, and the Supervisors and/or Directors of Teaching and Learning (Postgraduate) may test students in whatever way is appropriate. Progress report forms should be completed by students and their Supervisors for retention on the student file within the School. This form may be downloaded from the local page of the Graduate Studies Web site http://www.tcd.ie/Graduate_Studies/currentstudents/admin/progressreports/index.php.

If progress is unsatisfactory Supervisors may recommend to the Dean of Graduate Studies that the student's registration should be terminated. Students who do not maintain adequate contact with their Supervisors may be deemed unsatisfactory and their registration terminated. The first year of registration is probationary for all students. Directors of Teaching and Learning (Postgraduate) will exercise particular care in reviewing progress of students after one year of research. The Director of Teaching and Learning (Postgraduate) in consultation with the Supervisor and such other members of staff as may be appropriate will only recommend continuing registration as a research student if the candidate has clearly established to the staff concerned sufficient commitment and degree of promise that it seems reasonable to allow the candidate to proceed.

2.8 *Role of Supervisors*

Supervisors shall be accessible to the student for a personal consultation session at least once a month during the statutory term, unless a prior arrangement has been agreed between the two parties. If a Supervisor will be indisposed for a sustained period of time an alternative Supervisor may be appointed by the Director of Teaching and Learning (Postgraduate), at the request of the student or the Supervisor. The Supervisor shall provide advice and assistance to students that shall include, in particular, the college regulations and matters relating to academic progression and examination. Any reasonable written requests shall be responded to without undue delay. The Supervisor shall also give the students all possible assistance regarding access to the material, equipment and other resources essential to their research. Students have the right to appeal to the Graduate Studies Committee through the Dean of Graduate Studies if they feel that the regulations have been unfairly applied. Students shall have the right to make submissions to the Dean of Graduate Studies in writing or orally. Students may be accompanied by person or persons of their choice when meeting with the Dean of Graduate Studies, Head of School, and/or the Director of Teaching and Learning (Postgraduate). Joint supervision is permitted, if prior approval has been sought and obtained from the Dean of Graduate Studies. In all cases of joint supervision one Supervisor shall be the Principal Supervisor and that person should be in the School in which the student is registered.

2.9 *Eligibility to Supervise Research Students*

Following categories of staff are eligible to supervise postgraduate research students:

- (i) Principal Supervisors for research degrees must be either Professors, Associate Professors, Senior Lecturers or Lecturers, including those with Research and Clinical titles;
- (ii) Members of the academic staff on contract may be Principal Supervisors, but in such cases a Co-Supervisor must also be nominated from among the permanent academic staff; the Co-Supervisor must agree to become the Principal Supervisor should the period of the student's registration extend beyond the contract of the Principal Supervisor. Co-Supervisors are not required for members of staff on contracts of indefinite duration.
- (iii) Visiting academics, part-time non-permanent members of the academic staff, and emeritus staff listed in the University Calendar may be nominated as Co-Supervisors.

(iv) Exceptionally, and only after consultation with the Dean of Graduate Studies, other categories of staff may be nominated as a Supervisor or Co-Supervisor.

(v) Research Fellows who hold a Ph.D. degree or equivalent may be nominated as Assistant Supervisors with the agreement of the Principal Supervisor.

(vi) An Associate Research Lecturer may become Principal Supervisor.

Regarding (ii), it is left to the discretion of the Director of Teaching and Learning (Postgraduate) to decide the required duration of the contract, but normally three years is appropriate.

2.10 Attendance

To qualify for the degree, students must be registered (*i.e.* duly placed on the higher degree register of the University).

Normally graduate students on the research register must attend College or one of its associated institutions full-time. This regulation is automatically relaxed in the case of graduate students whose research necessitates their undertaking field study.

In special circumstances, a graduate student may be permitted to carry out part, or even all, of his/her research in another institution (*e.g.* in a designated department of one of the D.I.T. Colleges, in C.E.R.N. or the Bibliothèque Nationale, Paris). This will be allowed only when it is the most appropriate way of carrying out the proposed research and when the institution has facilities adequate for the purpose. It will be necessary to obtain assurances that the candidate will be able to proceed full-time with his/her research. It will also be necessary to satisfy the Dean of Graduate Studies that the candidate can attend the University for such periods as are necessary for the adequate supervision of the research, though the requirement for attendance may be reduced if there is a suitable person in the proposed institution to be appointed in an honorary capacity to supervise the work jointly with the internal College Supervisor. Permission to carry out such research in another institution must be sought from the Dean of Graduate Studies with support from the appropriate Director of Teaching and Learning (Postgraduate).

2.11 Part-time Registration

Normally part-time registration is available only to those engaged in teaching or research within the University. However, in special circumstances part-time registration may be permitted to highly qualified graduates, who are engaged full-time in an occupation which is related to their proposed research and which gives adequate opportunity for them to pursue their research, provided that they can attend the University for such periods as are necessary for adequate supervision. Special application for permission for such part-time registration, setting out all the circumstances, must be made to the Dean of Graduate Studies and will need a written support of the Supervisor. Graduate students on the full-time register who obtain other full-time employment after two years on the Masters degree register or three years on the Ph.D. register may apply in writing to the Dean of Graduate Studies for transfer to the part-time register for the remainder of their registration. Such applications must have the written support of the Supervisor. Where transfer is effected, the new time limits apply from the original date of full-time registration. In the case of part-time registration the minimum period of research before a thesis can be submitted will be two years from the date of registration for Masters candidates and three years for Ph.D. candidates and the maximum will be four years and seven years respectively.

2.12 Extensions and off-books

Graduate students on the research register must inform their Supervisor as soon as is practicable if they are incapacitated by illness or other grave cause and unable to undertake their agreed research programme. If, following consultation with the Supervisor, the illness is deemed to be of significant duration or severity to impede the graduate student's progress, medical certificates should be provided by the Supervisor to the Dean of Graduate Studies.

The maximum period before submission of a thesis for students on the full-time M.Litt. and M.Sc. (by research) registers and for those on the full-time Ph.D. register are 3 and 5 years respectively (see this Section Paragraphs 2.17, 2.18 and 2.19). An extension of the period within which the thesis can be presented may be obtained by application to the Dean of Graduate Studies by the student's Supervisor. Requests for extensions must be submitted before the period on the higher degrees register has expired. In cases where a request for an extension is not made before expiry of the normal time on the higher degree register, a replacement fee will be charged, in addition to the continuation fee, if an extension is granted.

In special circumstances (such as prolonged illness or absence from the country for grave *ad misericordiam* reasons), a graduate student may be allowed 'off-books' (off the register) for one year. Application should be made by the student's Supervisor to the Dean of Graduate Studies and must have a strong recommendation from the Director of Teaching and Learning (Postgraduate). In exceptional circumstances this period may be extended for a second year with the agreement of the Dean of Graduate Studies (see Section 1, Paragraph 1.16).

2.13 *Transfer to the Ph.D. register*

A transfer process shall be held for all students on the Masters (M.Litt. or M.Sc.) register to decide on their eligibility to be transferred to the Ph.D. register*. It is to be approached positively and constructively by all parties as an essential part in the student's learning experience.

Usually the transfer process will be arranged in the second year of registration. The transfer process requires the student to prepare a *transfer report*; the transfer report should be written according to the guidelines issued by the appropriate Director of Teaching and Learning (Postgraduate). The student must ensure that a draft of the transfer report is made available to the Supervisor with sufficient time for the Supervisor to read it and provide comments.

The student shall be invited to attend a *transfer interview*. The *transfer panel* for each student is appointed by the Director of Teaching and Learning (Postgraduate) and shall consist of at least two members as follows: the Director of Teaching and Learning (Postgraduate) or his or her nominee, and a second member who should have acknowledged expertise in the subject area of the student's research (or in a cognate field). Members of the transfer panel may be drawn only from academic staff eligible to supervise (see Calendar Part 2, Section 2.9) except in the case of Integrated Ph.D. programmes where the external examiner may be a member of the transfer panel. Although the Director of Teaching and Learning (Postgraduate) makes the final decision about membership of the transfer panel, he or she will consult with the Supervisor before deciding and will endeavour to take into account the student's opinion. The Supervisor shall not be a member of the transfer panel, but it is expected that the Supervisor (and Co-Supervisors) should be present at the transfer interview. The Supervisor's attendance at the transfer interview ensures that he or she is aware of the transfer panel's critique of the student's work.

Written feedback shall be given to the student as soon as possible after the transfer interview. The recommendation of the transfer panel shall be one of the following: (a) transfer forthwith, (b) transfer after some minor changes have been made to the transfer report, (c) transfer not recommended at this time: a new transfer report to be written and transfer interview to be held, (d) continue on the Masters register to complete a Masters thesis, or (e) not to continue as a research postgraduate student.

A student may appeal the result of a transfer interview. This appeal will be brought in the first instance, to the appropriate sub-committee of the School Executive Committee. A further appeal may be directed to the Dean of Graduate Studies, following Section 1, Paragraph 1.23.

* The process may also be used at the end of the probationary year for a student who has been admitted directly onto the Ph.D. register.

2.14 *Procedure for examination of a candidate*

A thesis submitted for a Masters degree must show evidence of rigour and discrimination, appreciation of the relationship of the subject to a wider field of knowledge, and make some contribution to knowledge/scholarship (but it is not necessary that it be worthy of publication); it must be clear, concise, well written and orderly and must be a candidate's own work.

A doctoral thesis must show evidence of rigour and discrimination, appreciation of the relationship of the subject to a wider field of knowledge/scholarship, and make an appreciable, original contribution to knowledge; it should show originality in the methods used and/or conclusions drawn, and must be clear, concise, well written and orderly and must be a candidate's own work.

The submission of a thesis is at the discretion of the candidate. A candidate is advised, but not required, to seek the agreement of his/her Supervisor prior to submission. Postgraduate students whose thesis is under examination are considered as registered students of the university for the duration of the examination. Such students may be afforded different rights and privileges to students who fully register for an academic year.

The Director of Teaching and Learning (Postgraduate) in consultation with the Supervisor nominates an external examiner and an internal examiner (two external examiners only in the case of candidates who are members of staff of the University) to the Dean of Graduate Studies (a standard nomination form is issued by the Graduate Studies Office). Each examiner must independently submit a signed written report and completed decision form to the Dean of Graduate Studies at the end of the examination process. Examiners' names are presented to Council in consolidated form once a year for formal approval. The examiner may not be a recent graduate of the University of Dublin and/or may not have been linked via recent research with the student directly. Should the Director of Teaching and Learning (Postgraduate) be an internal examiner or the Supervisor, a pro-Director of Teaching and Learning (Postgraduate) should be appointed by the Head of School.

A *viva voce* examination is a normal requirement of the examination of a Ph.D. candidate. For a Masters examination a *viva* will be arranged at the request of either examiner or the Director of Teaching and Learning (Postgraduate). The internal examiner is the official point of contact for the external examiner to do with all issues of the *viva voce* examination, and would have an overall responsibility for organising it. Requests from the candidate for a *viva* will be considered by the Dean of Graduate Studies. It is the Internal Examiner's responsibility, in conjunction with the School administrative staff, to arrange the date of, and accommodation for, the *viva voce*. It is the responsibility of the Director of Teaching and Learning (Postgraduate) to process the external examiner's reimbursements. The *viva voce* would be chaired by the Director of Teaching and Learning (Postgraduate) who may nominate a head of discipline or other senior academic for that role.

The conduct of the examination is the responsibility of the examiners, in consultation with the Director of Teaching and Learning (Postgraduate). Application must be made to the Dean of Graduate Studies by the Director of Teaching and Learning (Postgraduate) in advance of the *viva* if it is proposed to run the *viva voce* on any other basis than that of a live face-to-face examination with all participants in the same venue: such applications will only be favourably considered in the most exceptional circumstances. The Supervisor, or under exceptional circumstances and with the prior agreement of the Dean of Graduate Studies, other cognate person, has the right to be present at the *viva voce* examination purely as an observer unless the student wishes otherwise in which case s/he would need to inform the Director of Teaching and Learning (Postgraduate) in advance.

Where there are two external examiners involved in examining a thesis, it must be decided at the *viva voce* examination which of them should replace the internal examiner in the role of checking, approving and informing the Dean of Graduate Studies that the requested corrections have been carried out satisfactorily.

Students are not required to travel out of Dublin for a *viva voce*. If they agree to do so, the expenses incurred are a matter for the School concerned. If a *viva voce* cannot be arranged in Dublin because it does not suit the external examiner, a second external examiner may be appointed, and, in due course, both reports considered.

In the case of a Masters degree the examiners may propose that (i) the degree be awarded for the thesis as it stands, (ii) the degree be awarded for the thesis subject to minor corrections, for which two months are allowed from the time of notification, (iii) the thesis be referred for major revision and subsequent re-examination, for which six months are normally allowed from the time of notification, or (iv) be failed. When examiners propose either failure, or referral of a thesis for revision, they must hold a *viva voce* examination. The candidate must be informed of the reason for the *viva voce*. A thesis may only be referred for major revision once: in other words, option (iii) above is not available to examiners on re-submission.

In the case of a Ph.D. thesis the examiners may propose that (i) the degree be awarded for the thesis as it stands, (ii) be awarded for the thesis subject to minor corrections, for which two months are allowed from the time of notification, (iii) the thesis be referred for major revision and subsequent re-examination, for which six months are normally allowed from the time of notification, (iv) a lower degree be awarded, if necessary following minor corrections to the thesis or (v) be failed. When failure, referral of a thesis or the award of a lower degree is contemplated the candidate should be informed of this possibility in advance of the *viva voce*. A thesis may only be referred for major revision once: in other words, option (iii) above is not available to examiners on re-submission.

When there is disagreement between examiners as to whether a thesis should be passed as it stands or passed with minor corrections, the Dean of Graduate Studies will adjudicate. Where there is disagreement between examiners as to whether a thesis should be referred for major revision,

awarded a lower degree or failed, the Dean of Graduate Studies, through the relevant Director of Teaching and Learning (Postgraduate), attempts to get agreement between examiners on the course to be adopted. If agreement is not achieved, the Dean of Graduate Studies proposes that new examiners be appointed. This change of examination arrangements must be duly notified to and approved by the Council. If new examiners are appointed, all reports are sent to the Dean of Graduate Studies.

The texts of the external and internal examiners' reports are initially available only to the Dean of Graduate Studies, the Director of Teaching and Learning (Postgraduate) and the Supervisor. However, candidates are entitled to see the reports relating to their examination on written request. Such requests should be addressed to the Director of Teaching and Learning (Postgraduate) who would bring their request to the Dean of Graduate Studies.

Corrections required by examiners must be made before results are submitted to Council. A letter is required from the internal examiner certifying that corrections have been carried out satisfactorily. Minor corrections should be completed within two months of the candidate being informed of corrections required. If the examiners recommend that the thesis be referred for revision, this means that re-examination is required (though a second *viva voce* is not permitted) and the candidate must pay a revision fee (see Section 8). Under exceptional circumstances, and with the prior permission of the Dean of Graduate Studies, revised theses may be submitted up to an absolute maximum of two years after the original date of submission. Such late submissions will be subject to a further revision fee. A thesis can only be referred for such major revision once – and a thesis can therefore only be examined twice in total before a final decision on it is reached.

2.15 *Complaints concerning supervision*

Complaints about the adequacy of supervision should normally be made first to the Director of Teaching and Learning (Postgraduate). If the Director of Teaching and Learning (Postgraduate) is unable to resolve the problem, or where the Director of Teaching and Learning (Postgraduate) is the Supervisor, the student should contact the Dean of Graduate Studies. Where the Dean of Graduate Studies is also the Supervisor, the student should consult the Dean of his/her Faculty. The Faculty Dean should then follow the procedure outlined above. The Dean of Graduate Studies, or if appropriate the Faculty Dean, should first attempt to resolve the issue by consultation with the persons immediately involved. If this fails, the student may make a formal complaint in writing to the Dean of Graduate Studies. The formal complaint will be considered by the Graduate Studies Committee which will make a recommendation to the Council on the case. Complaints about the adequacy of supervision will not be entertained once a thesis has been presented for examination.

In any case where a dispute between a student and his/her Supervisor and/or Director of Teaching and Learning (Postgraduate) has been brought to the notice of the Dean of Graduate Studies, the examiners of that student may both be selected from outside the School.

2.16 *Appeal against decision of examiners*

Where a *viva voce* of a thesis has been held, and the thesis referred back for extensive revision, or the award of a lower degree, or outright failure is recommended, the Dean of Graduate Studies shall inform the candidate of the verdict prior to the submission of the examiners' reports to the Council. Appeals will be entertained only on the grounds stated above in Section 1 Paragraph 1.23 *i.e.* in cases amounting to a reasonable claim that the examination was unfair. If the candidate wishes to appeal, s/he must make application to the Dean of Graduate Studies. The candidate's name is then withheld from Council until after the hearing of the appeal.

The result of the appeal, whether upholding the examiners' recommendations or the candidate's appeal, will then be submitted to the Council by the Dean of Graduate Studies. It should be noted that the Academic Appeals Committee for graduate students cannot overturn the examiners' academic verdict on the thesis. It may only recommend changes of a procedural nature. Further information and appeals forms are available from the Graduate Studies Office. If the Council rejects the graduate student's appeal, the graduate student may seek redress from the Visitor. The latter procedures will be established in consultation with the Dean of Graduate Studies and the Secretary to the College.

Appeals should be made in writing by the graduate student's Supervisor or, if the Supervisor is unwilling to act, by the graduate student alone, having first consulted with the Director of Teaching and Learning (Postgraduate) and the Dean of Graduate Studies. On filing an appeal the procedural form must be used; on it the precise grounds upon which the appeal is being made must be indicated. There must also be a statement of what the appeal is attempting to achieve, *e.g.* appointment of

alternative Supervisor for the period of revision, referral of the thesis, etc. The student may nominate a representative from the Graduate Students' Union to accompany him/her to the meeting. At a hearing the graduate student is allowed to present her/his own case if this is desired. The Supervisor, the Director of Teaching and Learning (Postgraduate) and/or the Faculty Dean may attend the hearing.

Master in Letters (M.Litt.)

2.17 A student registered for the degree of M.Litt. is required to carry out research in literature, language, philosophy, history, politics, economics, social sciences, psychology, education or other cognate branch of learning.

The minimum period of research before which a thesis can be submitted is one year from the date of registration, and the maximum period three years. In the case of part-time registration the minimum period of research before a thesis can be submitted is two years from the date of registration and the maximum period four years.

Master in Science (M.Sc.)

2.18 A student registered for the degree of M.Sc. (by research only) is required to carry out research in a branch of mathematical, systems' sciences, engineering or natural sciences, pure or applied.

The minimum period of research before which a thesis can be submitted is one year from the date of registration, and the maximum period three years. In the case of part-time registration the minimum period of research before a thesis can be submitted is two years from the date of registration and the maximum period four years.

Doctor in Philosophy (Ph.D.)

2.19 The regulations for the degree of Ph.D. are the same as those for the degrees of M.Litt. and M.Sc. except as set out below.

2.20 The minimum qualifications for admission as a Ph.D. student are higher than those for admission as an M.Litt. or M.Sc. student. In particular, applicants must show evidence of marked aptitude for research. Applicants are normally accepted on to the Ph.D. register only after they have spent a period on the M.Litt. or M.Sc. register during which period this aptitude is assessed.

2.21 More difficult topics and more extensive and deeper research are required for the Ph.D. than for the M.Litt. or M.Sc. The minimum period of research before which a thesis can be submitted is two years from the date of registration, and the maximum period five years. When part-time registration is permitted, the minimum period of research before a thesis can be submitted is three years from the date of registration, and the maximum period seven years.

2.22 A student must normally spend at least two years in full-time supervised research within the University; modifications to this requirement will be made only in exceptional circumstances. When any modification is proposed, the applicant will be considered for admission only on to the M.Litt. or M.Sc. register, and transfer to the Ph.D. register will be made only if there is strong evidence that all aspects of the arrangement are satisfactory.

(b) Higher Doctorates

2.23 *Introduction:* The degrees of Doctor in Divinity (D.D.), Doctor in Laws (LL.D.), Doctor in Letters (Litt.D.), Doctor in Music (Mus.D.), and Doctor in Science (Sc.D.) are awarded to candidates who are judged by the University Council to have made an outstanding contribution to the advancement of knowledge, as evidenced by the publication of their work. The level of attainment required for a higher doctorate is substantially higher than that required for the degree of Ph.D.

The following are the major criteria used by the Graduate Studies Committee Higher Doctorates sub-committee and the assessors when judging an application:

- a) By their publications, candidates are recognised as being of international standing in their field.
- b) Their contribution has been sustained over a number of years.

- c) Their contribution has led to major innovations or major new additions to knowledge in their discipline.
- d) Their contribution contains seminal publications that have led to developments by others.

2.24 *Admission Requirements:* Applicants must be graduates of the University of Dublin, of not less than eight years' standing to be eligible for application to these degrees.

2.25 *Application Procedure:* Application must be made to the Dean of Graduate Studies on the prescribed form, and include seven copies of the following:

- 1) A covering letter including the name of the degree applied for and a *curriculum vitae*.
- 2) A statement about the nature and extent of the applicant's contribution to the field of study.
- 3) A list of publications that the applicant intends to submit.
- 4) A statement that the work has not been submitted as an exercise for a degree at this or any other university.
- 5) A statement that the listed publications are the applicant's original work. Where work done in co-operation with others is to be submitted, the applicant should comment on his/her role in the work.

Applications are assessed by the Higher Doctorates sub-committee of the Graduate Studies Committee. On its recommendation, candidates are admitted to the register once a year in October. If admitted to the register, the candidate must submit to the Dean of Graduate Studies when requested three full sets of the corpus of publications which are to be assessed. The publications should be accompanied by a short commentary not exceeding one thousand words indicating how each publication contributes to the total corpus of the candidate's research. All materials other than books must be secured in one hardback folder, or more if necessary, each containing a title and contents page. A candidate should clearly state which part of the submission, if any, has been submitted for any other academic award. Materials submitted may not be returned. Incomplete submissions will not be accepted. The onus is on the candidate to ensure that his/her submission is in the required format.

An application fee of €500 (non-refundable) is payable on applying to establish a *prima facie* case. On admittance a fee of €2,449 is payable by all candidates on a one-off basis. If the appraisal is not completed by the end of the academic year, the candidate will not be required to pay a further fee; however, it will be necessary for him/her to register for the next academic year.

2.26 *Assessment:* Appraisal is made by scholars distinguished in the particular area of research. Should it prove impossible for the Dean of Graduate Studies to secure the services of appropriate scholars the University reserves the right not to proceed with the examination and all fees will be refunded to the candidate. Two assessors who must be external to the University of Dublin, are nominated to Council for appointment by the Dean of Graduate Studies in consultation with the appropriate Dean of the Faculty who also submits a list of at least three suitable assessors from which the Dean of Graduate Studies will choose two.

The assessors appointed by Council have the power to question the candidate upon his/her work, either in writing or *viva voce*.

The degree will be awarded on the independent and unequivocal recommendation of both assessors to Council. In the event of a disagreement between two assessors, Council shall appoint a third assessor whose recommendation shall be final. There is no appeal against the decision of Council.

2.27 *Closing date:* Application must be made on the prescribed form to the Dean of Graduate Studies to reach the office by 1 September of the proposed year of entry. Late applications are not considered.

3. GENERAL REGULATIONS FOR TAUGHT GRADUATE COURSES

3.1 *General*

The general regulations outlined in Section 1 apply as appropriate in addition to the following regulations specific to taught courses.

Courses of instruction leading to the higher degrees of B.D., D.Clin.Psych., D.Ed., LL.M., M.A.I., M.A.I. (recurrent education), M.A.O., M.B.A., M.Ch., M.D., M.Dent.Ch., M.Ed., M.Phil., M.Phil.(Ecum.), M.Phil.(Peace Studies), M.Sc., M.Sc.(Mgmt.), M.St., M.S.W. and Postgraduate Diplomas (P.Grad.Dip. and H.Dip. (Ed.) Primary Teaching) are provided in approved subjects listed in Sections 3, 4 and 6. In all cases applications are competitively assessed and candidates who meet the minimum admission requirements set out in Sections 4 and 6 are not automatically awarded entry. Some Masters courses have the option of a Postgraduate Diploma in cases where the taught course has been satisfactorily completed but a dissertation has not been submitted. Such P.Grad.Dip. courses are, for completeness, listed under the appropriate Faculty entry but are not open to entry as separate options from their parent Masters course *i.e.* students apply for entry to the appropriate Masters course. Students opting to receive a P.Grad.Dip. are not permitted to submit subsequently for the corresponding Masters degree. All Postgraduate Diplomas (with the exception of postgraduate diploma courses in Education) may be awarded at two levels (i) Postgraduate Diploma and (ii) Postgraduate Diploma with Distinction. All taught Masters degrees may be awarded a mark of Distinction. The award of a taught Masters with Distinction shall require the achievement of a distinction for the dissertation, but may include additional conditions as specified by the course committee. A distinction cannot be awarded if a candidate has failed any credit during the period of study. Criteria for the award of a distinction for the dissertation shall be approved by the relevant Director of Teaching and Learning (Postgraduate).

3.2 *Attendance*

Graduate students on taught courses must normally attend College or one of its affiliated institutions whenever instruction is scheduled for their course in the College. In certain cases all or part of a course may be undertaken outside of the physical confines of the College or one of its affiliated institutions and graduate students are under the same obligation as above to attend for instruction. However the above requirements for physical attendance are relaxed, as appropriate, for distance learning and e-learning courses. In the case of these courses attendance at the venue to which the material is delivered is equated to attendance at College or one of its affiliated institutions at the time of delivery.

Students must take part fully in the academic work of their class throughout the period of their course.

The requirements for attendance at lectures and tutorials are published locally and vary between the different taught courses. The onus lies on graduate students to inform themselves of the dates, times and venues of their lectures and other forms of teaching by consulting these timetables.

Where a graduate student is undertaking a dissertation as part of a taught course the regulations in relation to attendance are those outlined in Section 2 (above).

3.3 *Part-time Registration*

Part-time registration is available for certain taught courses. Students may not normally transfer from the part-time to the full-time register for such courses once already registered.

3.4 *Extensions*

Graduate students on taught courses who in any term have been unable, through illness or other unavoidable cause, to attend the prescribed instruction satisfactorily, may be granted credit for the term by the Dean of Graduate Studies acting on the advice of the Course Co-ordinator/Director, but must perform such supplementary exercises as the Dean of Graduate Studies may require. The onus rests with each individual graduate student to inform the Course Co-ordinator/Director of their illness; graduate students must therefore make themselves familiar with the College and course regulations regarding absence from lectures or examinations through illness. Graduate students on taught courses who find themselves incapacitated by illness from attending lectures (or other forms of teaching) should immediately see their medical adviser and request a medical certificate for an

appropriate period. Such medical certificates should be given to the Course Co-ordinator/Director, as appropriate. It is the Course Co-ordinator/Director who normally makes representation to the Dean of Graduate Studies on behalf of their postgraduate student.

Students unable to complete their taught course in the required time are required to re-register on a continuation year and pay the same reduced annual fee as applies for degrees by research.

3.5 *Absence from Examinations*

Postgraduate students who consider that illness may prevent them from attending an examination (or any part thereof) should consult their medical advisor and request a medical certificate for an appropriate period. If a certificate is granted, it must be presented to the student's Course Co-ordinator/Director within three days of the beginning of the period of absence from the examination. Such medical certificates must state that the student is unfit to sit examinations. Medical certificates will not be accepted in explanation for poor performance; where an examination has been completed, subsequent withdrawal is not permitted. Further details of procedures subsequent to the submission of medical certificates are available in course handbooks or from Course Co-ordinators/Directors.

Postgraduate students who consider that other grave cause beyond their control may prevent them from attending an examination (or any part thereof) must consult and inform their Course Co-ordinator/Director who must immediately make representations to the Dean of Graduate Studies that permission be granted for absence from the examination.

The acceptance of medical disability is entirely at the discretion of the Dean of Graduate Studies, who may ask for a report from the medical officers in charge of the Student Health Service. The report will be strictly confidential to the Dean of Graduate Studies.

3.6 *Special Examination Arrangements*

Students who may require assistance in examinations must discuss their needs with the Course Co-ordinator/Director in advance of the examination so that special arrangements - such as dictation to an amanuensis - may be provided if feasible and appropriate. Such arrangements are made locally by the Course Co-ordinator with the relevant Office(s) in College.

3.7 *Appeals*

Where a graduate student has failed on the coursework component, and feels that there are mitigating circumstances, s/he may appeal, in writing, first to the course committee through the co-ordinator, for permission to repeat the examination(s) and/or assessment(s). The grounds for the appeal should be clearly stated and supported where necessary by documentary evidence. If the graduate student is granted a supplemental examination, the results of that examination will be considered to be final, *i.e.*, repetition of the year will not be permitted. If the Course Committee refuses to grant the appeal, the graduate student may appeal to the Graduate Studies Committee. Appeals will be entertained only on the grounds stated above in Section 1, Paragraphs 1.22 and 1.23.

It should be noted that the Academic Appeals Committee for graduate students cannot overturn the examiners' academic verdict on the work as presented. It may only recommend changes of a procedural nature. Further information and appeal forms are available from the Graduate Studies Office. When the Academic Appeals Committee for graduate students hears the appeal, the graduate student should normally present his/her own case, though s/he may nominate an academic staff member who is not a close relative (or other cognate person if the latter choice is more appropriate) to support the case, and the course committee should also delegate a representative to present their case. If the Academic Appeals Committee for graduate students upholds the graduate student's appeal, then its recommendations must be fully implemented.

Where the Academic Appeals Committee for graduate students cannot arrive at a decision, or where the graduate student is dissatisfied with the decision of the Committee on his/her case, he/she may seek redress from the Visitor. The latter procedures will be established in consultation with the Dean of Graduate Studies and the Secretary of the College.

Where a graduate student has passed the course-work component but has failed on the assessment of the dissertation and is dissatisfied with the manner in which the dissertation was examined, s/he should request the Course Co-ordinator to arrange a *viva voce* examination at which s/he may defend the dissertation. This request will be granted automatically. If the graduate student feels that the *viva voce* examination itself was unfair, s/he may appeal in writing to the Dean of

Graduate Studies. The Dean, if satisfied that there are sufficient grounds for the appeal will refer such cases to the Appeals Committee for Graduate Students. The appeals procedure for Postgraduate Diploma courses is as detailed above.

3.8 *Academic progress*

In order to rise with their class, graduate students must obtain credit for the academic year by satisfactory attendance at lectures and tutorials, by carrying out the required course-work, and by successful completion of examinations or other designated assignments.

Students registered for a Masters course qualify for the degree by satisfactorily completing the work prescribed, and/or passing an examination and receiving approval for a dissertation on some particular aspect of the subject. Students may be required to attend a *viva voce* examination. Regulations for individual courses are given under their respective entries, listed alphabetically on the following pages, and are supplemented by further details in course handbooks.

3.9 Postgraduate Diploma courses may only be offered in conformity with, and if their existence is signalled in, the regulations for individual courses listed in Section 6 of this part of the University Calendar: direct entry is therefore not permitted to some Postgraduate Diplomas.

3.10 The following information relates to all examination results:

1. All postgraduate examination results are published under a student's registered name.
2. Students who successfully complete their course will have the qualification, where appropriate, awarded under their registered name and within class.

4. REGULATIONS FOR PROFESSIONAL HIGHER AND OTHER DEGREES

4.1 *Attendance and Examinations*

Graduate students undertaking a higher professional degree are, as appropriate, under the same obligations to attend for instruction as those graduate students on the taught courses and/or those on research courses. Examination regulations, as detailed under Section 2 and 3, apply as appropriate.

4.2 *Part-time Registration*

Part-time registration is permitted for certain professional higher degrees. Such registration may be permitted to suitably qualified graduates, who are engaged full-time in an occupation which is related to their proposed degree and which gives adequate opportunity for them to pursue their work, provided that they can attend the University for such periods as are necessary for adequate supervision or other activity. If a full-time option is available graduate students may not normally transfer to it from the part-time register.

4.3 *Extensions and off-register*

Graduate students undertaking a professional higher degree must inform their Supervisor/ Course Advisor/ Course Co-ordinator/Director as soon as is practicable if they are incapacitated by illness and unable to undertake their agreed programme. If, following such consultation, the illness is deemed to be of such significant duration or severity to impede the graduate student's progress then medical certificates should be sought. The certificates must be sent to the Supervisor/Course Co-ordinator/Director for immediate forwarding to the Dean of Graduate Studies. An extension of the period on the register may, potentially, be obtained by application to the Dean of Graduate Studies on the recommendation of the Supervisor/Course Co-ordinator/Director. Requests for extensions must be submitted before the period on the professional degrees register has expired. In cases where a request for an extension is not made before expiry of the normal time on the higher degree register, a replacement fee will be charged, in addition to the continuation fee, if an extension is granted.

In special circumstances (such as prolonged illness or absence from the country), a student may be allowed off the register ('off-books') for a six month or one year period. Application should be made to the Dean of Graduate Studies by the Director of Teaching and Learning (Postgraduate) concerned and/or the Supervisor/Course Advisor/Course Coordinator. In exceptional circumstances this period may be extended for a second year with the agreement of the Dean of Graduate Studies.

During this 'off-books' period, graduate students will not be required to pay fees. Consequently they will not have a student card during this period and will not have access rights to the college library or other college facilities.

Graduate students who have been off the register ('off-books') for a period of time must make application to the Dean of Graduate Studies to be re-admitted to the college register ('on-books'). This application must be supported by the Director of Teaching and Learning (Postgraduate) concerned and/or the Supervisor/Course Coordinator/Director.

4.4 *Appeals*

Appeals will be heard for students undertaking professional higher degrees under the criteria and following the procedures outlined in Section 1, Paragraph 1.23; Section 2, Paragraph 2.15 or Section 3, 3.7 as appropriate.

4.5 Regulations pertaining to the following professional higher degrees are covered in Section 6

Specific Regulations for Taught Graduate Courses by Faculty:

- Bachelor in Divinity (B.D.)
- Professional Doctorate in Dental Surgery
- Professional Doctorate in Education (D.Ed.)
- Doctor in Clinical Psychology (D.Clin.Psych.)
- Doctor in Medicine (M.D.)
- Master in Business Administration (M.B.A.)
- Master in Dental Science (M.Dent.Sc.)
- Master in Dental Surgery (M.Dent.Ch.)
- Master in Engineering (M.A.I.)

Master in Engineering (M.A.I.) Recurrent Education
Master in Education (M.Ed.)
Master in Laws (LL.M.)
Master in Management (M.Sc. (Mgmt.))
Master in Obstetrics (M.A.O.)
Master in Social Work (M.S.W.)
Master of Studies in School Leadership and Educational Studies (M.St.)
Master in Surgery (M.Ch.)

5. OTHER GENERAL REGULATIONS

5.1 *Student charter*

The Board of the College has approved a graduate student charter setting out the College's intentions in regard to entitlements of graduate students as members of the academic and general community. This charter will be available to all graduate students annually at registration.

5.2 *Discipline, regulations**

1. All graduate students are required to observe, in addition to the laws of the State, the regulations laid down by the Board of the College from time to time. Disciplinary offences therefore include breaches or attempted breaches of the criminal law and of College regulations, whether committed inside or outside the College, including but not limited to

- (a) activity which brings the College into disrepute,
- (b) misconduct in relation to examinations, libraries, and the use of other College facilities, services, and accommodation,
- (c) disruption of the normal operation of activities within the College, and
- (d) harassment or misbehaviour on college property or in dealings with others.

However, this does not preclude the legitimate right of students to assemble and express grievances.

2. The Junior Dean shall maintain discipline and good order among the students, and enquire into and otherwise deal with the alleged commission of a disciplinary offence by a student. The relevant procedures and penalties are set out in Schedule II of Chapter XII of the College Statutes; they are available on the College website or from the Registrar's office, but a non-binding summary is provided below. At all stages of the disciplinary process, students are entitled to representation by their tutor, by the Students' Unions, or by any other person of their choice.

3. The Junior Dean (or a person exercising the powers of the Junior Dean, e.g. the Warden of Trinity Hall, the Librarian or the Director of IS Services) will usually interview a student suspected of having committed a disciplinary offence. If it relates to a minor offence, the Junior Dean can deal with the matter quickly (summarily), and the decision can be appealed to the Disciplinary Committee. If it relates to a major offence, the Junior Dean can deal with the matter summarily only if the student agrees; otherwise the matter is heard by the Disciplinary Committee.

4. It shall be for the Junior Dean in the first instance to decide whether an offence is major, but he or she shall have regard to factors such as the potential for criminal or professional misconduct proceedings arising out of the offence, the impact of the offence on others, the disruption of the normal functioning of the College and/or its facilities and/or members, plagiarism, falsification or serious misuse of official College or University documents or false pretences in connection with academic attainments, or refusal to comply with any final penalty. Section H of Part 1 of this Calendar provides, at Part III (Conduct and College Regulations), section 4, that "Without prejudice to the general power of the Junior Dean to decide whether an alleged offence is major or minor, the following examples would normally be regarded as major offences:

- (a) Conduct which does, or is liable to cause, violence to person or damage to property.
- (b) Conduct which does, or is liable to obstruct, the holding of, or frustrates the purpose in holding, any lecture, class or other instruction given by the College or any laboratory work or any research in the College, or any meeting, hearing or other function (including administrative and sporting activities) authorised to take place within the College.
- (c) Seriously interfering with, or unreasonably impeding members of the College in carrying out their duties.
- (d) Theft, fraud or misapplication in connection with funds or property of any kind in College.
- (e) Offences in connection with degrees or diplomas or annual examinations or tests conducted by the College.
- (f) Falsification or serious misuse of University records, including degree or diploma parchments.
- (g) False pretences or personation of others, within or without the College, in connection with academic attainments or financial awards.
- (h) Refusal or failure to pay a fine or comply with any penalty (subject to any right of appeal applicable) imposed by the Junior Dean or Librarian.

- (i) Refusal to produce a College I.D. card or other acceptable means of identification at the request of the Senior Dean, Junior Dean or any of his/her assistants or any College security officer. (Other members of the College have the right to call for identification of any person found in areas properly under their control.)
- (j) Failure to comply with any reasonable instruction of a fire warden.
- (k) All forms of bullying and harassment, including sexual and racial harassment, in all College locations and situations where students are participating in formal College activities or are representing the College or are present at events, social or otherwise, organised in association with the College.
- (l) Misuse of e-mail, computer facilities, or any aspects of College communications networks.
- (m) Dishonesty in relation to academic work.
- (n) Any action by a student on a professional course which would constitute professional misconduct?

In the case of any inconsistency between the text of the said section in Part 1 of this Calendar and the text set out above, the text of the said section in Part 1 of this Calendar shall prevail.

5. The Disciplinary Committee consists of members of the academic staff and of the non-academic staff, and students; and it hears appeals from decisions of the Junior Dean as well as matters referred to it.

6. There may also be a Panel of Enquiry. It can hear appeals from decisions of the Disciplinary Committee, or conduct initial hearings into the most serious offences.

The regulations governing student discipline set out in this edition of the University Calendar come into effect on 1 November, 2007, and the regulations set out in the 2006/07 edition of the University Calendar remain in force until that date.

5.3 *Misconduct and noise in rooms*

All occupants of rooms in College will be held responsible for any misconduct in the rooms under their control. This will include the making of noise deemed to be excessive.

5.4 *Posters and notices*

Only College societies and clubs may advertise in College. Notices may not exceed 75 x 55 cm (2'6" x 1'9") and must be placed on the student notice-boards provided. Chalked notices, stickers and (except in special cases with the permission of the Junior Dean) unattended free standing notices are forbidden. Not more than one copy of a notice may be displayed on the same board or within 15 m (16 yards) of a similar notice. Advertisements for a particular event must be removed not later than 48 hours after the event. All notices must identify their origin.

5.5 *Sale or distribution of printed matter*

Printed matter may be sold or distributed by members of the College provided that it is either a recognised student newspaper or material issued by the Graduate Students' Union or material issued by an authorised society or club of the University including publicity or tickets for any function organised by those societies.

Provided that no obstruction or unnecessary noise is caused, such printed matter may be sold or distributed in all the open areas of College and within and approaching the Front Gate precinct, at the Pearse Street and Lincoln Place Gates, in the hallways of the Museum and Chemistry Buildings, in the Buttery foyer, in the concourses of the Arts Building, the Hamilton Building and the Smurfit and Panoz Institutes and outside the entrances to the catering areas. Printed matter may be sold but not distributed gratis in any of the catering areas except the Buttery foyer. All printed matter must identify its origin, and, in the case of a graduate student newspaper, its editor.

5.6 *Erection of stalls in College*

Stalls may not be erected in College except:

- (a) within and approaching the Front Gate precinct, for which arrangement must be made with the Enquiries Office and the Senior Dean. Authorised stall holders may not obstruct the roadway through the Front Gate or access to Regent House or to the post boxes;
- (b) at the Pearse Street or Lincoln Place Gates, also by arrangement with the Enquiries Office and the Senior Dean;

(c) in the foyer of the Arts Building and the Hamilton Building by arrangement with the Superintendent of the building and the Senior Dean.

No society, club or person may normally have a stall more than one day per week.

5.7 *Collecting boxes*

Collecting boxes are prohibited in College.

5.8 *Sale of goods*

The sale or distribution of goods other than printed matter is not allowed in the open within the College precincts.

5.9 *Booking of rooms for meetings*

Individuals or groups wishing to hold meetings in College rooms or halls on or off campus are required to make application, normally one week in advance, at the Enquiries Office, West Theatre. Permission to hold a meeting likely to give rise to a need for additional security must be sought from the Senior Dean two weeks in advance, through the Enquiries Office, and the cost of extra security and other special arrangements must be borne by the organisers. The cost of any damage caused as a result of such a meeting will also be charged to the organisers, who may be required to lodge a deposit beforehand. Failure to apply in time for permission to hold a meeting, the plans for which turn out to require special security, will be grounds for refusing permission for that meeting.

Bookings for meetings in the O'Reilly Institute must be made in advance with the Director of Innovation Services.

5.10 *Access to buildings*

Those sitting on the steps of public buildings must allow free access to the building by leaving an unobstructed pathway to the door. On the Dining Hall steps painted lines indicate the area to be kept free. Sunbathing is permitted only in College Park.

5.11 *Outdoor eating*

Food and drink may not be consumed out of doors except in the College Park. Alcoholic drink may not be consumed out of doors.

5.12 *Walking on lawns*

No persons are permitted to walk on the lawns, or to cross the playing fields unless they are participating in games or in training authorised by D.U.C.A.C.

5.13 *Amplifying equipment*

Radios, loudspeakers and other amplifying equipment may NOT be used in public areas within the College precincts without the Junior Dean's permission. Permission for the use of megaphones must be sought at least twenty-four hours prior to the event. This will normally be granted only to the officers of the Students' Union.

5.14 *Mobile Phones*

Mobile Phones may not be used in the library, Information System Service Public Access Computer Rooms, Lecture Theatres, Laboratories or other public teaching and research areas.

5.15 *Traffic regulations*

Persons who drive cars or motor-cycles must acquaint themselves with the current traffic regulations, which are strictly enforced. The Director of Buildings is responsible for these regulations.

5.16 *Bicycles*

It is forbidden to park bicycles in hallways, staircases, or landings of houses. Bicycles must not be ridden either through the Front Gate or Arts Building entrance. Bicycles must be parked in the bicycle racks provided.

5.17 *Derelict vehicles*

Any derelict or unlicensed motor-car, motor-cycle or bicycle will be removed by the College authorities after fourteen days' notice has been placed thereon.

5.18 *Concerts, dances and parties*

The Students' Union and any College society or club planning to hold a concert, dance, gig or discotheque in College must apply for permission to do so at least eight days in advance of the function. Permission is granted by the Senior Dean, to whom written application should be made through the Enquiries Office, West Theatre. Societies or clubs wishing to hold dances outside the College must apply to the Senior Dean at least three weeks before the proposed date.

Permission to hold a party in College must be obtained from the Junior Dean at least seven days in advance. Forms of application for the holding of a party are obtainable from the Enquiries Office.

5.19 *Pets*

No animal, fish, bird or other livestock may be kept in College residences (except for guide dogs) without the prior consent, in writing, of the Registrar of Chambers.

5.20 *Activities outside College*

The Junior Dean must be consulted in advance if College organisations propose to arrange parades, collections, demonstrations or any other activities of this kind, using the name of Trinity College. Approval is given on the understanding that relevant by-laws are understood and will be observed. Notice to the appropriate public authorities, where required, should be arranged well in advance. Individual graduate students participating in any activity outside College remain subject to the general regulation that Graduate students' conduct shall not bring the College into disrepute.

5.21 *Outside activities in College*

As there is no general right for members of the public to enter the College precincts, the Junior Dean must be consulted fourteen clear days in advance if any individuals or groups within College propose to participate with individuals or organisations from outside College in holding parades, demonstrations, meetings or other activities of this kind in the open within the College precincts.

Approval for such activities may be given on conditions which include the observance of the relevant College by-laws by those attending or organising the activity. Such approval may be withdrawn at any time by the Junior Dean, or those acting under his authority, in the event of a breach of any condition of such approval.

5.22 *Gowns*

Graduate students are entitled to wear gowns appropriate to their standing within the College precincts. They are required to do so when attending Commencements.

5.23 *Sports clothing*

Appropriate sports clothing must be worn while playing games or training in College Park.

5.24 *Roofs and attics*

College roofs and attic spaces are out of bounds.

5.25 *Waste management and recycling*

It is a College offence to deposit litter in any location within the College perimeter other than designated litter bins. All staff and students are requested to co-operate and support the College waste management and recycling policy by reducing the volumes of waste produced on campus, re-using products and using the facilities provided to segregate waste at source to facilitate recycling.

5.26 *Residence*

The following types of accommodation are provided by the College:

- (a) rooms in College;
- (b) rooms in Trinity Hall, about 4 km (2½ miles) from the College.

Residence in College is arranged by the Provost through the Registrar of Chambers for whom administrative services are provided at and through the Accommodation Office. Residence at Trinity Hall is arranged by the Provost through the Warden of Trinity Hall for whom administrative services are provided at and through the office at Trinity Hall. Rules governing graduate students in residence are obtainable from the offices concerned.

Graduate students looking for other accommodation are advised to contact the staff of the Accommodation Office who will provide advice on accommodation in Dublin. Generally, private rented accommodation is in short supply and is expensive. An accommodation advisory service operates from early September to mid-October to assist students seeking private accommodation. Lists of lodgings (digs) are available from the office.

5.26.1 Accommodation in the College. Single, double, twin and treble sets and bedrooms within 3 to 7 person apartments are available. These are fully-furnished and all include, or have access to, at least elementary cooking facilities. There are approximately 720 places for men and women.

Applications for residential rooms will be accepted after charges for the following year have been set by the Board. This is usually in a three week period during February/March.

Applications for rooms in College will be accepted from registered full-time students. There is normally a considerable demand for such rooms.

Most of the allocations of College rooms for the coming academic year are made in May. Graduate students are notified at their home address unless the office is otherwise directed. Applications from new graduate students seeking places in College rooms cannot be dealt with until they have been issued with a student ID number. Vacancies may occur during the year and applicants interested in taking up these rooms should keep in touch with the Accommodation Office.

5.26.2 Accommodation in Trinity Hall. Trinity Hall at Dartry near Rathmines is approximately 4 km (2½ miles) from the centre of Dublin. It is on two direct bus routes (14A and 13B), the LUAS tramline, and is within easy cycling distance of the College. Part of the grounds form the University of Dublin Botanic Garden.

Standard accommodation located in Cunningham House (70 places) is comprised of single study bedrooms, which are fully furnished and are grouped around kitchen/common rooms where 14 students may cater for themselves. Students share bathroom and toilet facilities.

There are 940 places in modern accommodation arranged within apartments with four or six ensuite bedrooms sharing a kitchen/dining room. Room types available in the modern accommodation are ensuite single or twin rooms. There are a number of modern rooms available at Trinity Hall for those with mobility impediments and special needs. Students wishing to apply for these rooms should contact the Warden of Trinity Hall. These rooms are designed for students who are capable of independent living and are not suitable for students requiring special care. These are ensuite rooms within apartments and share kitchen/living rooms with other students.

Residents have access to a library, computer room and common rooms, and have the use of the indoor sports facilities. All residents at Trinity Hall pay a small annual subscription which covers membership of the Junior Common Room.

Applications from new graduate students seeking places in Trinity Hall cannot be dealt with until they have been issued with a student ID number. Vacancies may occur during the year and interested graduate students should keep in touch with the office at Trinity Hall.

5.26.3 Tenure. Foundation (and non-foundation) scholars are entitled to remain in residence as provided for in the Statutes.

Graduate students who have held rooms during the academic year and who intend to present themselves for examinations after the expiry of the tenancy period in May/June may retain their rooms until the morning following final June examinations, provided that they inform the Registrar of Chambers, or the Warden of Trinity Hall respectively, before 1st May that they wish to extend their occupancy.

Students who are the sons or daughters of Fellows of the College are granted priority in the allocation of rooms. They pay two-thirds of the normal rent. In all other respects they must conform to the regulations regarding tenure which are binding on students in general.

Graduate students seeking leave to retain rooms for longer than one period of tenure should re-apply to the Registrar of Chambers, or the Warden of Trinity Hall, during the period indicated in

Paragraph 5.26.1. In College, such an extension of the normal period of residence is sparingly granted.

Residents are liable for the residential charges for each billing period. Notice to vacate rooms at the end of January must be given to the Accommodation Office or the office at Trinity Hall not later than mid-December. Failure to give a calendar month's notice before vacating accommodation in the course of an academic year will leave the resident liable for charges in respect of one month's notice and one further month's rent. The liability for the further month's rent may be abated (and pro-rata charges applied) if the room is re-let or the normal vacation date occurs within the month.

5.26.4 Sub-letting. Sub-letting is not allowed unless there are exceptional circumstances and prior permission is sought from the Registrar of Chambers or the Warden of Trinity Hall.

5.26.5 Deposits. Graduate students granted rooms for normal tenure must each pay a deposit (see below), to the Accommodation Office, or to the office at Trinity Hall, within a fortnight of their being granted; otherwise their right to the rooms lapses. Having paid the deposit, graduate students should collect their keys from the Accommodation Office, or from the office at Trinity Hall respectively, when taking up residence. The deposit is returned towards the end of July after graduate students have vacated, provided that keys have been surrendered and all outstanding charges (which may include fines) are paid. Where residents have been allocated rooms for the subsequent academic year their deposit will be carried forward.

Vacation occupants must each pay a deposit (see below), which is refunded when they vacate, provided that keys have been surrendered and all outstanding charges paid.

5.26.6 Residential charges. For rooms in College graduate students pay a fixed charge for three rental periods i.e. early October to 31 December, 1 January to 31 March, and 1 April to 31 May (early to mid June for Goldsmith Hall). In Trinity Hall the periods are late September to 31 December, 1 January to 31 March, and 1 April to mid-June (31 May for Cunningham House). Residents wishing to extend the occupancy of their rooms beyond the end of the third billing period may do so up to the day following their last June examination on payment of a daily extension charge, provided the Accommodation Office or the office at Trinity Hall is notified prior to 1 May. The charge for students resident in twin, treble or double sets will be based on the departure date of the last occupant to vacate and all residents are liable for charges up to that date. Daily extension charges include the cost of energy.

Subject to availability, short-term occupancy is available to students from outside the greater Dublin area who are sitting supplemental examinations during September. Rooms are available from 1 September and must be requested before 12 July.

Graduate students wishing to reside in rooms in College may obtain details of residential charges and deposits from the Accommodation Office. Details of accommodation charges at the Trinity Hall residences are available from the office at Trinity Hall.

5.26.7 Accounts. Accounts include residential charges and utility charges and are payable in advance. Where dilapidation charges or fines are incurred these will be included on a resident's account. Utility charges include heating, hot water, consumed energy and other services such as data connection and piped TV where supplied. In some residential areas an inclusive charge is made for utilities while in other areas consumed gas and electricity is charged on the basis of metered consumption. Information on energy charges is published on the Accommodation Office's web pages (<http://www.tcd.ie/Accommodation/>).

For rooms in College there are three account periods, early October to 31 December, 1 January to 31 March, and 1 April to 31 May (early to mid June for Goldsmith Hall). Payment must be made in advance for all periods. Most residential charges are now payable online using a secure web based payments service that debits charges against selected credit and charge cards. Students will be notified by either letter or e-mail about payment arrangements. The first period payment must be made by mid-September. Accounts not paid by the due date automatically incur a surcharge of €65. If the account and any fine are outstanding by the end of October, February or April respectively, the account will remain outstanding but the rooms become automatically forfeit upon notice from the Registrar of Chambers.

In Trinity Hall the account periods are late September to 31 December, 1 January to 31 March, and 1 April to mid-June (31 May for Cunningham House). No accounts are issued. For the

first period, payment must be made before residence is taken up. For the second period payment must be made before 1 January. For the third period payment must be made before 1 April. Accounts not paid by the due date automatically incur a surcharge of €65. If the account and any fine are outstanding by the end of October, February or April respectively, the account will remain outstanding but the rooms become automatically forfeit upon notice from the Warden of Trinity Hall.

Students in whose names rooms stand registered at the beginning of any billing period are liable for all charges in respect of their rooms, unless they have given due notice to the Accommodation Office or to the office at Trinity Hall respectively, and surrendered their keys.

Students who fail to vacate their rooms on or before the date appointed are liable to forfeiture of deposit, or of such portion of it as the Registrar of Chambers or the Warden of Trinity Hall may determine.

5.26.8 Transfers. If graduate students wish to change their rooms between October and May inclusive they must apply to the Registrar of Chambers or to the Warden of Trinity Hall respectively for permission to do so. If permission is granted the residential charge and, in College, the heating charge will be adjusted according to the date on which they exchange their keys.

5.26.9 Discipline in residences. All resident students are required to abide by the conditions of occupancy in force for residences on campus and at Trinity Hall.

Permission to hold parties in students' rooms in Trinity Hall must be obtained from the Warden five working days in advance. The occupants of rooms will be held responsible for any damage or excessive noise resulting from a party held in their rooms. In particular they will be liable to a fine for any disturbance after midnight. Permission will not be given for parties in rooms on any occasion when an ENTS 'gig' is scheduled to take place in the Buttery or elsewhere in College. Permission to hold parties in other College rooms (e.g. those belonging to clubs and societies) must be obtained from the Junior Dean five working days in advance. The person or group receiving permission to hold such a party will be responsible for any damage or excessive noise resulting therefrom. In all cases the Junior Dean should be notified on forms available from the Enquiries Office, West Theatre. Permission to hold parties in other Trinity Hall rooms must be obtained from the Warden five working days in advance. The person or group receiving permission to hold such a party will be responsible for any damage or excessive noise resulting therefrom. In all cases the Warden should be notified on forms available from the office at Trinity Hall.

5.27 Commons

During teaching term Commons is served in the evening on week-days (Monday to Friday inclusive). There is no service on any week-end or Bank Holiday. During vacations Commons is served at lunchtime on week-days with the exception of the March/April period when Commons remains at 6.15 p.m. each evening. Precise details of the days and times of service are published in advance.

Commons bookings are made by means of vouchers distinguished by date and valid only for the day of issue. These vouchers can be purchased at least one day in advance at the Enquiries Office, West Theatre or from the Catering Office.

Exchange of Commons vouchers for future days will be possible at the Catering Office during office hours, but no retrospective exchanges nor refunds for any unused vouchers will be made.

Commons vouchers are on sale at €19 (2007/2008) per voucher. Each voucher will be date stamped for the Commons meal required. Vouchers can also be purchased undated, however they must be brought back to the Enquiries Office to be date stamped no later than 3 p.m. on the day prior to the day the voucher is to be used.

Vouchers may be re-dated, if required, provided they are surrendered in good time, *i.e.* prior to the original date of use.

Scholars and sizar receive their Commons free of charge. Scholars not on the College books, but with an entitlement to Commons, free of charge, can obtain Commons vouchers from the Registry of Chambers. Scholars wishing to attend Commons must sign on by 3 p.m. daily at http://www.tcd.ie/Junior_Dean/Scholars/Scholar/.

The wearing of gowns at Commons is optional.

Any member of the College may dine on Commons. Guests (*i.e.* non-members of the College) will be admitted to Commons but their hosts will have to provide vouchers for them.

All Commons regulations and charges are subject to revision at short notice should the Board consider it necessary.

5.28 *Insurance*

The Board cannot accept responsibility for the personal property of individuals in College; they are strongly recommended to insure their belongings under an 'all risks' policy. The College arranges a scheme for the benefit of residents in College and at Trinity Hall. Details are available at the Accommodation Office, West Chapel.

5.29 *Safety*

The Board of the College maintains a working environment in which the physical and mental well-being of the College community is maintained at the highest levels practicable, and provides a basis whereby the College is able to solve problems that arise in the working environment in co-operation with staff and graduate students and their representative organisations.

The Board has appointed a College Safety Committee and a College Safety Officer to advise it on general matters of policy relating to safety; to supervise, develop and integrate the College safety system; and to foster co-operation with staff and graduate student representatives on safety matters.

Ultimate responsibility for safety in College rests with the Board of the College.

A copy of the comprehensive College safety statement is available from the College Safety Officer, Director of Buildings Office, West Chapel. Individual departmental safety statements are available from department heads.

5.30 *Child Trafficking and Pornography Act 1998*

All staff and students should be aware that the terms of the Child Trafficking and Pornography Act 1998 are applicable to College. This Act makes it an offence to knowingly:

- (a) produce, distribute, print or publish child pornography and to knowingly import, export, sell, show or advertise child pornography;
- (b) cause or facilitate, or encourage, any of these activities;
- (c) be in possession of any child pornography.

The provisions of this Act cover the storing, viewing or distribution of child pornography on any computer system and persons found guilty of any of the above offences are liable to a fine and/or prison sentence. (A child for the purposes of the Act is a person under the age of 17 years.)

5.31 *Freedom of Information*

The University of Dublin, Trinity College, was designated as a 'public body' subject to the terms of the Freedom of Information Act, 1997, with effect from 1 October 2001. The Act established three new statutory rights: (a) a legal right for each person to access information held by public bodies; (b) a legal right for each person to have official information relating to him/herself amended where it is incomplete, incorrect or misleading; (c) a legal right to obtain reasons for decisions affecting oneself. The College has published a guide to its functions and records, in compliance with section 15 of the Act, and a guide to its rules and practices as required by section 16.

The College's Freedom of Information website www.tcd.ie/foi/ includes these publications and provides further information about the Freedom of Information Acts 1997 and 2003 and how they apply to Trinity College. Enquiries and formal requests under the terms of these Acts should be addressed to the Freedom of Information Officer, Secretary's Office, West Theatre, Trinity College.

6. SPECIFIC REGULATIONS FOR TAUGHT GRADUATE COURSES BY FACULTY

6. (a) Faculty of Arts, Humanities and Social Sciences

1. Bachelor in Divinity (B.D.)

- 1.1 *Admission:* To be admitted on to the B.D. register, a candidate must:
1. hold a degree in Theology from the University of Dublin, or other university approved by the University Council; or
 2. hold a degree in any subject from the University of Dublin or other university approved by the University Council and a Divinity Testimonium or a Professional Diploma in Theology from the University of Dublin; or
 3. hold a degree in any subject from the University of Dublin or other university approved by the University Council and pass a qualifying examination.
- Details of the qualifying examination may be obtained from the Dean of Graduate Studies.
- 1.2 *Assessment:* The degree of B.D. is awarded on the results of:
1. an examination based on eight papers, which may be taken in any order, and
 2. a thesis on a prescribed subject of a maximum of 40,000 words. The student can only proceed to thesis when he/she has passed all examinations.
- 1.3 *Applications:* Full details are available from the Graduate Studies Office. Application for registration must be made on the appropriate form to the Dean of Graduate Studies by 1st February. The student's examination results must be returned on an annual basis. Candidates who wish to register for the degree of M.Litt. or Ph.D. in theological studies may do so under the normal regulations for these degrees.
- 1.4 *Course Co-ordinator:* Professor Nigel Biggar

2. Master in Business Administration (M.B.A.)

- 2.1 *Introduction:* The Trinity M.B.A. is designed to develop creative and articulate strategic managers with strong analytical and interpersonal skills who can operate in an international environment. The Programme has a formal taught component and an experiential project based dimension. The central objective of the Programme is to assist participants individually and in teams to learn about the application of theory and concepts, initially to complex case studies and then to the substance of major strategic issues in an assigned organisation from the perspective of the General Manager. In particular, participants gain an understanding of
1. Social, political, technological and economic forces supporting, and constraining, productive activity
 2. Analytical techniques and occupational skills needed to appreciate the value and limitations of specialists assistance
 3. The range of different interests normally present in the work situation.
- 2.2 *Admission Requirements:* Applications for admission are accepted from
1. Graduates of the University of Dublin with a first or second class moderatorship, or with a first or second class honors in a professional degree course and at least three years of appropriate managerial or professional experience
 2. Graduates of recognised universities with first or second class honor degrees and at least three years of appropriate managerial or professional experience
 3. Holders of degrees from recognised universities or recognised degree granting institutions who have at least three years of appropriate managerial or professional experience

4. Holders of recognised professional qualifications obtained through examinations who have spent at least three years in full-time study at a recognised third-level educational institution and who, in addition, have five years at least of appropriate managerial or professional experience

5. Holders of diplomas obtained through examinations who have spent at least three years in full-time study at a recognised third-level educational institution and who, in addition, have at least five years of appropriate managerial or professional experience

6. Candidates of over twenty-eight year of age, without a degree, diploma, or professional qualification as specified above, may apply for admission on the basis of work done in the field of their employment where the work has been acknowledged by an award of merit, by exceptional promotion in the employing body, or by publication.

Applicants under the age of 25 in the academic year for which registration is sought will not normally be considered.

2.3 *Duration:* The programme is either a) full-time for one year extending from late September through to the completion of a project report, to 31st August, or b) part-time for two or three years. A student who has satisfactorily completed all the programme requirements will be eligible for the degree of Master in Business Administration (M.B.A.).

2.4 *Course Structure and Content:* The Trinity MBA is organised in five modules (full-time option listed below):

1. Trinity University – Communications, Back to Campus, Team/Leadership
2. Autumn – Seven Core Examinable Courses, Project in the Social Entrepreneurship Sector, Strategy Case Days
3. Winter – Seven Core Examinable Courses, Innovation/Business Start-up Project, Into Europe Week based in Leuven, Belgium
4. Spring – Five Core Examinable Courses, Company Project
5. Summer – Master Classes, Company Project (contd.), Short Courses

The Trinity MBA provides each student with work experience in 3 domains; social entrepreneurship, business start-up and company projects.

At the core of the Trinity MBA, the Company Project (CP) allows participants to apply growing theoretical competence in practical situations over an eight month period. Groups of five or six participants work with, and report to, top management of a company on major strategic concerns facing their organisations.

2.5 *Assessment:* Varying modes of assessment including formal examination, participation in class, and assigned work are used throughout the year to evaluate participant performance. Assessment by formal written examination occurs at the completion of Michaelmas, Hilary and Trinity Terms. Assessment other than by formal examination includes participation in class and assignments such as essays, case studies, homework, personal research essays and presentations when they are conducted in conditions other than the formal university examination setting. Team-based or group-based activities form a fundamental part of the Trinity M.B.A. Programme. Many of these activities are assessed and include assignments such as group projects, case studies, presentations, the Company Project and other such activities.

2.6 *Evaluation:* To be eligible for the award of an M.B.A., students must:

1. satisfy the teaching staff on class work, assignments and tests
2. satisfy the examiners in relation to performance on the course and all projects

2.7 *Applications:* Applications can be found at www.trinitymba.com and should be submitted electronically.

Applicants, whose applications have been accepted by the School of Business Studies, will receive formal notice of admission from the Dean of Graduate Studies.

2.8 *Acting Programme Director:* Mr. Vincent Dooley

3. Doctorate in Clinical Psychology (D.Clin.Psych.)

3.1 *Introduction:* This course is designed to provide a high level of postgraduate professional training in clinical psychology leading to the award of a doctoral qualification. A core value in the course is the emphasis on linking theory and practice, informed by the reflective scientist practitioner philosophy of integrated training in research methods, academic knowledge and clinical experience.

3.2 *Entry Requirements:* Applicants will be required to hold at least an upper second class honors primary degree in psychology from a recognised university course, which confers eligibility for graduate registration with the Psychological Society of Ireland. A candidate's demonstrated interest in the field of clinical psychology and research competence will also be taken into account.

3.3 *Duration:* The duration of the course is three calendar years full-time.

3.4 *Admission:* Successful applicants will normally be offered a contract as a trainee clinical psychologist within the Health Service Executive.

3.5 *Course Structure:* The course comprises three major components: (i) research training (ii) academic training and (iii) clinical placements. Students currently spend approximately 55% of course time on clinical placement; the remainder is divided between the taught academic programme and research activity. There will also be block teaching modules throughout the three years of training.

3.6 *Assessment:* The performance of candidates shall be assessed by the Board of Examiners. Candidates will be assessed throughout the course by (i) written examinations, (ii) coursework (including reports of clinical activity), (iii) written submissions based on oral presentations and (iv) a dissertation. All candidates will be required to attend a *viva voce* examination. Assessment will be based on the evaluation of performance on eight taught academic modules, six clinical placements, four reports of clinical activity, a small-scale research project and a dissertation. All of these assessed elements of the course must be passed to successfully complete the programme.

The eight academic modules will be assessed by written examinations and/or coursework. Clinical competence on each of the six placements will be assessed by the Board of Examiners. In evaluating clinical competence, the Board will take into account the clinical Supervisor's evaluation of clinical competence and the breadth and quality of experience as outlined in the clinical logbook, in the context of the trainee's progress on the course to date. The integration of theory and clinical practice will be evaluated by means of four reports of clinical activity of not more than 4,000 words. The small scale research project will be assessed by means of a written report of not more than 4,000 words. The major research project will be assessed by means of a literature review and research proposal submitted at the end of the second year and a dissertation presented during the third year of the course. This must represent an original and significant contribution to knowledge in the area and be of publishable standard in whole or in part. The dissertation will not exceed 40,000 words in length.

In the case of all course-work submissions, failure to submit work within course deadlines will result in the piece of work receiving a failing grade.

3.7 *Pass/Fail Criteria:* Students must pass in all assessed elements of the course. Students who fail to satisfy the Board of Examiners in any assessment may be permitted, at the discretion of the Board, to represent themselves on one occasion only for supplementary written examination, supplementary coursework or repeat placement. Where candidates are required to repeat coursework, take a supplementary examination or repeat a placement, the original mark in the failed element shall be replaced by a pass mark in the case of a successful outcome. Any candidate who receives a failing mark for any piece of supplementary coursework, repeat examination or repeat placement will normally be required to withdraw from the course.

A candidate who fails a total of more than three pieces of assessment at the first attempt will normally be required to withdraw from the course. In addition, a candidate who fails more than two placements or two reports of clinical activity at the first attempt will normally be required to withdraw from the course.

Failure of any clinical placement on the grounds of serious professional misconduct will result in irreversible and outright failure and the student will be required to withdraw from the course.

Candidates who have failed items of assessment, who have not exceeded the threshold for exclusion from the course, may be permitted to progress to the next year of the course at the discretion of the Board of Examiners. If however, a candidate is deemed unsuitable across a number of areas, the Board may recommend suspension from the course until satisfactory work is submitted.

Students must attend the entire academic programme and attend for an 'End of Year Review' with the Course Director. A candidate with a significant non-attendance record may receive a non-satisfactory rating and may not be permitted to advance with the class.

Unsuitability for training constitutes sufficient grounds for exclusion of a candidate from training. Unsuitability for training includes a breach of the Psychological Society of Ireland's Code of Ethics and/or an inability or unwillingness to uphold appropriate professional standards of behaviour in terms of constructive relationships with others (including clients, peers, tutors, Supervisors or other professional or staff groups (Health Service or University)). Such unsuitability may lead to significant problems in training which by themselves have not led to repeated placement failure or failure of a re-submitted piece of work. Unsuitability also involves an inability or unwillingness to use feedback on interpersonal difficulties in a constructive way. A recommendation to terminate registration due to unsuitability for training will only be implemented when extensive and documented attempts by the Course Team to assist the candidate in overcoming their difficulties have been unsuccessful. At a meeting of the Board of Examiners following identification of concerns, written submissions and any information or views obtained from relevant parties or discussions/interviews with the trainee or Supervisor will be considered. The views of the relevant clinical co-ordinators will be routinely sought. The Board may also consider evidence from other placements, coursework or general performance on the course in making any decision. Documentary evidence should be made available to the Examiners in the form of written submissions. At this meeting the Examiners may decide to recommend to the Dean of Graduate Studies that the candidate's registration should be terminated due to unsuitability for training.

3.8 *Course Director:* Dr Kevin Tierney

4. Professional Doctorate in Education (D.Ed.)

(There is no intake in 2007/08)

4.1 *Introduction:* The Doctor in Education is a research programme which comprises eight structured taught modules and a substantial research thesis component. The D.Ed. is aimed at educational and related professionals who wish to study at a doctoral level. The intention is to prepare professionals to meet the challenge of working in a changing educational landscape at various levels (classroom based, management and leadership, policy making) and across different sectors. The two main aims of the programme are firstly to enable professionals to critically explore in-depth various dimensions of their own practice and secondly, be able to undertake, manage and commission research studies in educational or related contexts.

4.2 *Entry Requirements:* Applicants will be required to hold at least a Masters qualification or equivalent and have completed a minimum of three years experience in an educational or related field. Selection will be made on the basis of both written applications and interviews.

4.3 *Duration:* The course is five years part-time.

4.4 *Course structure:* The course comprises three interlinked areas: (1) the critical exploration of contemporary educational issues within Irish, European and Global contexts, (2) research methodology and (3) a research-based thesis. Areas (1) and (2) are taught through eight interconnected modules over the first three years of the programme, whereas (3) is ongoing and developmental from registration to completion. Students are allocated appropriate Supervisors on entry to the programme, whereupon the student begins work on developing their research proposal, which is carried out in detail in years 3 to 5.

4.5 *Assessment:* Students are assessed by written (or equivalent) assignments of around 5,000 words at the end of 6 of the 8 modules. Progression onto the substantive thesis work which should normally occur in years 3-5 is assessed by an 'upgrade' assessment towards the end of year 2. The upgrade is a form of oral and written assessment which is designed to ensure that the student is ready to progress onto year 3 of the programme.

4.6 *Course Director:* Dr Andrew Loxley

5. Master in Education (M.Ed./P.Grad.Dip. Educational Studies)

5.1 *Introduction:* The degree of Master in Education (M.Ed.) is a professional degree. The graduate programme leading to its award is organised and administered by the School of Education. The degree is intended for persons who wish to gain a comprehensive and contemporary understanding in either one of the specialisms offered or in a number of disciplines that inform educational theory and practice. It seeks to equip those who aspire to positions of leadership in fields such as teaching, teacher education, health sciences education, educational management, educational guidance and counselling, special educational needs, school violence and aggression and educational research, with an ability to participate effectively in the advancement of knowledge, the formation of policy, the promotion of innovation, and the improvement of practice.

5.2 *Admission Requirements:* Applicants are normally expected to hold a good honors degree and have at least 2 years experience in the field of education. The course is open to teachers at all levels of the education system, as well as other suitably qualified professionals working in the area of education, training and education. Graduates in fields such as history, philosophy, psychology, administration or health sciences, who do not have such experience, but who wish to relate their particular fields of competence to the practice of education, may also be considered on an individual basis.

5.3 *Duration:* The duration of the programme is normally two years part-time or one year full-time.

5.4 *Course Structure:* The M.Ed. programme is built around the following seven distinct routes or tracks;

- Science Education
- Educational Guidance and Counselling
- Educational Leadership and Management
- Special Education
- Aggression Studies
- Drama in Education
- Foundation Studies

The total credit rating for the programme is 90 credits. These credits are distributed among the taught component and the dissertation. Both the taught component and the dissertation carry 45 credits each. Within the taught component, each route contains 4 theme modules (10 credits each) and one general module in Academic Writing and Critique. In the case of Foundation Studies the four modules are chosen from a range of offerings to include: history of education, philosophy of education, sociology of education, educational psychology, ICTs in education, Irish language, culture and education, international and comparative education, language education, curriculum, assessment and evaluation and education and social policy.

The remaining 45 credits are thus allocated to the dissertation. The 45 credits allocated to the dissertation is a reflection of the greater level of student input required to successfully complete this part of the programme. However, included within these 45 credits are 5 credits which are allocated to formal research methodology sessions.

It is expected that students will complete the M.Ed. in a two-year period (part-time) by taking four modules normally and a maximum of five taught modules in the case of the Guidance and

Counselling route. All the taught elements, with the exception of some of the research methods, will be taken in Year 1. Year 2 will focus on the dissertation element of the programme.

5.5 *Assessment:* Students will complete 4 written (or equivalent) assignments of 3,000-5,000 words in each module which are graded with 50% being the pass level. The size and type of assessment will vary according to the requirements of the modules. The research methods module will be compulsory and will form part of the students final dissertation work. The academic writing module will be assessed on a pass/fail basis. The dissertation will continue to be graded. Those students who, for any reason, do not wish to continue to the dissertation on the M. Ed. Programme may, after satisfactorily completing a sufficient number of modules, apply to exit with a Postgraduate Diploma in Educational Studies. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Ed. at any later stage.

5.6 *Leave of absence:* Established teachers in primary and post-primary schools within the State may be given leave of absence with salary in order to follow the degree programme, provided that suitable arrangements for substitution are made at no additional cost to the State. This arrangement has been made by the Department of Education and Science and it has enabled teachers throughout the country to take the degree. The normal procedure is that, following acceptance into the degree programme, a teacher first seeks approval for release from the managerial authorities of his or her school and for the proposed substitution arrangements. If this approval is forthcoming, an approach is made to the Department of Education and Science. Both the Department of Education and Science and the managerial authorities have co-operated generously in the past with regard to this scheme.

5.7 *Course Co-ordinators:* Dr Aidan Seery and Mr Keith Johnston

6. Master in Laws (LL.M.)

6.1 *Introduction:* The LL.M. is directed at well-qualified graduates in law and related disciplines. It seeks to promote critical analysis of, and reflection on, different aspects of national, European and international law.

6.2 *Admission Requirements:* Candidates for the LL.M. degree must hold a good honors law or law-based interdisciplinary degree. Admission to the programme is at the discretion of the LL.M. Sub-Committee.

6.3 *Duration:* The LL.M. is a full-time course lasting a year. Lectures commence in October and finish in May. A research dissertation must be submitted by the following 1st September.

6.4 *Course Structure:* Candidates are required to take a total of six modules over two semesters, each of eleven weeks duration, and complete a research dissertation of not more than 20,000 words on an approved theme.

The six modules must be chosen from the following list:

1. European Product Liability Law
2. European Human Rights Law
3. European Telecommunications Law
4. European Law on Mergers
5. European Competition Law
6. European Environmental Law
7. Feminism and the Law
8. Medicine and the Law
9. International Economic Law
10. Restitution
11. International Commercial Dispute Resolution
12. International Law
13. Contemporary Problems in Irish Constitutional Law
14. Comparative Freedom of Expression

15. African Human Rights Law
16. Equality
17. Legislative Drafting
18. Distribution Law and Policy
19. Partnership Law
20. International Commercial Dispute Resolution
21. Alternative Dispute Resolution in Ireland
22. A Comparative Study of Irish and American Competition Law
23. International Trade and Regulation
24. US Constitutional Thought in the 20th Century

The Law School reserves the right to vary the above list and, in particular, the right to withdraw modules. Note that time-tabling considerations will also restrict choice.

6.5 *Assessment procedure:* The assessment procedure takes place in two stages – first, end of semester examinations in the six modules selected by the candidate and, second, assessment of the research dissertation which must be submitted by 1st September. Modules are assessed by written examinations or, where the approval of the Court of Examiners has been obtained, wholly or partly by reference to coursework. In order to obtain the LL.M. degree, a candidate must a) obtain an overall average of at least 40% and b) not have fallen below 40% in the research dissertation and c) not have fallen below 40% in more than two modules and d) not have fallen below 30% in any one module unless, in the opinion of the Court of Examiners, his/her performances in the other modules is such as to extenuate his/her failure. A student who fails a module or modules may re-sit the relevant module(s) during the supplemental examination session or at such other time as the Dean of Graduate Studies may direct. A student whose research dissertation falls below 40% may re-submit the dissertation within six months of the date on which the dissertation originally had to be submitted but such re-submitted dissertation shall be marked out of a range of 0-50%.

6.6 *Course Co-ordinator:* Dr Neville Cox

7. Master in Management (M.Sc. (Mgmt.))

7.1 *Introduction:* Five part-time graduate courses (entries below): the management practice programme, the organisation behaviour programme, the business administration programme, the strategic management programme, and the international business programme, are organised jointly by the School of Business at this University and the Irish Management Institute (I.M.I.). The courses extend over a two-year period and detailed information about them is available from the School of Business, or from the Irish Management Institute. A student who has completed one of these courses will be eligible for the degree of Master in Science (M.Sc. (Mgmt)).

7.2 *Admission Requirements:* Applications for admission are accepted from

- a) graduates of the University of Dublin with a first or second class moderatorship or with a first or second class honors in a professional degree course
- b) graduates of recognised universities with first or second class honors degrees
- c) holders of degrees from recognised universities or recognised degree granting institutions who, in addition, have experienced at least three years of employment
- d) holders of recognised professional qualifications obtained through examinations who have spent at least four years in study and who, in addition, have been employed for two years at least in the work of their profession
- e) holders of diplomas obtained through examinations who have spent at least three years in full-time study at a recognised third-level educational institution and who, in addition, have experienced at least five years of employment.

Applications for admission are to be made through the I.M.I., Clonard, Sandyford Road, Dublin 16.

7.3 Candidates of over twenty-eight years of age, without a degree, diploma, or professional qualification as specified above may apply for admission on the basis of work done in the field of

their employment where the work has been acknowledged by an award of merit, or by exceptional promotion in the employing body.

7.4 Applicants who have graduated, or obtained professional qualifications, in a range of studies substantially similar to those of the course will not normally be considered.

Business Administration Programme (M.Sc. (Mgmt.))

7.5 The business administration programme is intended for senior practising managers in substantial Irish enterprises which are adjusting to changes in the international business environment. The programme comprises lectures and project work dealing with the issues involved in the management of the process of strategic change. To complete the course a student must

- a) satisfy the examiners in the examinations during the first year of the course
- b) satisfy the teaching staff on the tests and project work that form part of the system of continuous assessment
- c) satisfactorily complete a research dissertation.

International Business Programme (M.Sc. (Mgmt.))

7.6 The programme is intended for senior practicing managers in small to medium sized enterprises (SME's) which are adjusting to changes in an international business environment. The programme comprises lectures and project work dealing with the strategic issues involved in developing SME's in an international context. To complete the course a student must

- a) satisfy the examiners in the examinations throughout the course
- b) satisfy the teaching staff on the assignments and project work that form part of the system of continuous assessment
- c) satisfactorily complete a dissertation.

Management Practice Programme (M.Sc. (Mgmt.))

7.7 The management practice programme is intended for senior practising managers, the course of study being directly related to their work. To complete the course a student must:

- a) satisfy the teaching staff on class work, assignments and tests, and
- b) satisfy the examiners in relation to performance on the course and on a dissertation which must be submitted at the end of the course.

Organisational Behaviour Programme (M.Sc. (Mgmt.))

7.8 The organisation behaviour programme comprises lectures and class work covering applications of social sciences relevant to the understanding of behaviour within organisations. To complete the course a student must

- a) satisfy the teaching staff on class work and on the essays and tests that form part of the system of continuous assessment
- b) satisfy the examiners in the examinations at the end of Trinity term in both the first and second year of the course
- c) satisfy the examiners on the dissertation which must be submitted during the second year of the course.

Strategic Management (Public Sector Programme) (M.Sc. (Mgmt.))

7.9 This programme is intended for senior practising managers in the public sector concerned with strategic management, strategic planning and strategy analysis. Participants are normally line managers and staff specialists in the area of strategy. The programme comprises seminars and research work dealing with the area of strategic management. To complete the course a student must

- a) satisfy the examiners in the examinations during the first year of the course
- b) satisfy the teaching staff on the tests and project work that form part of the system of continuous assessment
- c) satisfactorily complete a research dissertation.

8. Integrated Doctorate in Political Science (M.Phil./Ph.D.)

8.1 *Introduction:* This is a four-year Ph.D. programme. Students initially register for a M.Phil. degree and on successful completion of the requirements described below, transfer to the Ph.D. register at the end of the first year. Students who do not satisfy the requirements, or for their own reasons choose to do so, may be awarded the degree of M.Phil. in Political Science after successfully completing the first year's coursework and achieving a pass mark in the M.Phil. dissertation, described below. Students failing to satisfy the programme requirements for the second year's coursework and Final Thesis Proposal may also apply for the M.Phil.

8.2 *First Year of Ph.D. programme (M.Phil.), Course Structure:* The first year programme involves six courses covering a range of substantive and methodological topics. Three courses will be taken in the first semester and two in the second in addition to a year long reading course. Course details may be found in the Ph.D. student handbook.

8.3 *First year of Ph.D. Programme (M.Phil.) Assessment:* Each student is assigned a Supervisor for the Reading course at the beginning of the Michaelmas Term. The Reading course, supplemented by coursework exercises for Qualitative Methods 1, will lead to a 10-15 page Draft Thesis Proposal. This proposal will be defended during the Trinity Term in front of the External Examiner. Following its defence, the Draft Thesis Proposal may receive one of the following evaluations:

- (a) Eligible to proceed to Ph.D.
- (b) Re-submit for Ph.D. by 1 September in the current year of registration
- (c) Eligible to proceed to M.Phil. dissertation
- (d) Fail

Students achieving a median grade of B or above in the M.Phil. coursework and passing their defence of the draft thesis proposal as "Eligible to proceed to Ph.D." will be eligible to transfer to the register for the Ph.D. in Political Science and will be deemed to have registered for a Ph.D. as of the date of their initial M.Phil. registration. If they subsequently wish or are advised during the course of the Ph.D. programme to receive an M.Phil. degree, they must submit a research dissertation of 15-20,000 words within six months of the communication of this decision to the student. In this event, the resubmission provisions set out below will apply. Students are not eligible for both an M.Phil. and Ph.D. degree on the basis of this programme.

Students passing the M.Phil. coursework and their defence of the draft dissertation proposal as "Eligible to proceed to M.Phil. dissertation" must submit a dissertation of 15-20,000 words within six months of the communication of this decision, and must receive a passing grade on this, in order to receive an M.Phil. If a passing grade is not received for this dissertation, one resubmission of it is allowed. The time allowed for a resubmission designated as "minor" is two months following the communication of the decision to the student. The time allowed for a resubmission designated as "major" is six months following the communication of the decision to the student, and will involve re-registration by the student.

8.4 *Second year course structure:* The second year of the Ph.D. programme involves four courses, including a reading course. Full details are listed in the Ph.D. student handbook.

8.5 *Second year assessment:* The Reading course, supplemented by coursework will lead to a 10-15 page Final Thesis Proposal, to be defended in front of the External Examiner. Following its defence, the Final Thesis Proposal may receive one of the following evaluations:

- (a) Pass
- (b) Re-submit by 1 September in the year of registration
- (c) Fail

Students achieving a median grade of B or above in the Ph.D. coursework, and satisfactorily defending their Final Thesis Proposal will be eligible to continue on the programme and work on a Ph.D. thesis, subject to general Ph.D. regulations.

Students failing to achieve a median grade of B or above on the Ph.D. coursework or failing their defence of the Final Thesis Proposal may submit a dissertation of 15-20,000 words within six months of the communication of this decision, and must receive a passing grade on this, in order to receive an M.Phil.

8.6 *Course Co-ordinator:* Dr Gail McElroy

9. Master in Social Work (M.S.W./P.Grad.Dip.)

9.1 *Introduction:* The Master in Social Work course offers a route to a professional qualification in social work for applicants with a primary degree in the social sciences or equivalent. It combines an academic postgraduate award (Diploma in Social Work or Masters in Social Work) with the National Qualification in Social Work (NQSW). The professional qualification (NQSW) is awarded by the National Social Work Qualifications Board (NSWQB), and the academic qualification is awarded by the University of Dublin. The Master in Social Work is both an academic and vocational course, combining university-based learning and work experience conducted under the supervision of professionally qualified social workers. Social work is a challenging and a rewarding activity and requires a personal commitment to the ideals and values of the social work profession. Those considering social work as a career option should be aware of its ethical and value dimensions and, in particular, the commitment of practitioners to the promotion of social justice.

9.2 *Admission Requirements:* Admission to the Master in Social Work programme is based on a competitive selection procedure. Candidates must have

- a) A primary social science degree (second class honors or higher), or equivalent; and
- b) Relevant practice experience.

Normally candidates who do not hold a social science degree, are required to establish that their primary degree and related studies have provided them with a sufficient foundation in the social science subjects of social policy, sociology, politics and economics.

Prior to acceptance on the course, candidates will be required to demonstrate a minimum of nine month's practice experience fulltime or equivalent. Practice experience will be judged on the basis of the quality and relevance of practice experience, and what the individual candidate has gained from it.

When assessing the quality of previous practice experience, the factors taken into consideration will include the nature of the tasks undertaken, the quantity and quality of supervision and training available to, and availed of by, the candidate, and the connections the candidate can make between practice experiences and wider social issues. Examples of relevant practice experience include employment as residential child care or social care workers, social work assistants, family access or family support workers. Voluntary work covers a wide range of activities such as phone-line counselling, volunteer support and befriending work, and community activism. Informal experience of helping, even if extensive, would not by itself be considered to fulfil this criterion of relevant practice experience.

Candidates without sufficient relevant work experience and sufficient foundation courses in the core social science subjects will not be offered an interview.

9.3 *Application Process:* Selection for the 20 places available on this course will be made on the basis of written applications, references and interviews. In addition to the College application form, a separate School of Social Work & Social Policy application form must also be completed. All sections of both forms must be completed in full by the applicant. Two references must also be supplied; one academic reference, plus one practice reference related to experience in the social care/social work field. The practice reference must be provided by the applicant's practice Supervisor, manager or volunteer co-ordinator. It is important to note that relatives may not act as referees. Students register on the Masters programme in the first instance.

9.4 *Course structure:* The Master in Social Work programme is a combined two-year postgraduate degree and professional social work training course. The course is full-time and consists of both academic and fieldwork components. Teaching commences in mid-September of both Year One and Year Two. Academic modules include teaching on social work practice theories, values and

skills, social research methods and processes, life span psychology, relevant legal and social policy areas, as well as teaching on specific areas of practice such as child and family work, criminology, mental health, disability, health and work with older people.

9.5 *Assessment:* Students in the first instance register for the Master in Social Work programme. The pass mark for written work in Year One is 40%. Students who wish to submit a dissertation for examination at the end of Year Two for the award of Master in Social Work must achieve a pass mark of 50% in all written work in Year One and Year Two.

All written work must be submitted in order to fulfil the requirements of the course. Fieldwork placements must be passed for students to proceed from Year One to Year Two and there is no compensation between academic and practice performance.

Students in Year One will be permitted one opportunity to re-submit written work which either fails or does not reach the 50% standard provided that they do so within two months of having received their original grade. Those students who, having had the opportunity to re-submit written work once, do not obtain a standard of at least 50% in all written work in Year One, will not be permitted to submit a dissertation for examination for the Master in Social Work at the end of Year Two. Instead, they will be permitted to submit a lesser dissertation for examination for the award of Postgraduate Diploma in Social Work. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.S.W. at any later stage.

9.6 *Research Dissertation:* During Year Two, students complete either a dissertation (of between 15,000–18,000 words) for submission for the award of Master in Social Work, or a Personal Framework for Practice (of approximately 10,000 words) for submission for the award of Postgraduate Diploma in Social Work. These assignments must be examined and passed in order for the relevant academic qualification to be awarded.

The National Qualification in Social Work (NQSW) cannot be awarded to students who do not successfully complete all programme requirements.

9.7 *Fieldwork Information:* Students will be required to undertake at least two fieldwork placements over the two years. Each placement will be of at least 70 days duration. Unfortunately, the College is unable to offer funding to offset costs incurred as a result of undertaking fieldwork placements.

Garda (Police) clearance is required by employers for social work students placed in their agencies. Students contemplating social work training should be aware that this is a placement requirement.

9.8 *Intake:* There will be 22 places available each year.

9.9 *Course Director:* Ms Maeve Foreman

10. Master of Studies (M.St.) in School Leadership and Educational Studies

10.1 *Introduction:* The M.St. degree courses are designed to enhance the theoretical and practical expertise of teachers in relevant educational and leadership areas. The requirements of the M.St. degree will be:

1. completion of the two M.St. qualifying research modules
2. submission of a satisfactory research proposal and its presentation and acceptance at a subsequent interview
3. completion of the taught components common to both degree courses
4. a dissertation of 20,000-25,000 words on a topic appropriate to the degree being sought.

10.2 *Aims:* The aims of the Masters degrees are to:

1. develop an understanding of education, curriculum, school leadership and related social issues of current and continuing concern
2. enhance practical expertise in relevant curriculum and leadership areas
3. develop skills in the management of change and innovation and school-based research in a school or classroom by involving the student in the planning, implementation and evaluation of an educational innovation or investigation related to the students' professional practice.

10.3 *Admission Requirements:* This course is provided for recognised teachers, and others with a professional interest in education, who have a primary degree or equivalent, and who have completed the coursework requirements of one in-service Postgraduate Diploma and one M.St. qualifying module (normally in research methods), obtaining a second class or higher grade. Having completed one M.St. qualifying modules, those intending to proceed to the dissertation are required to submit a research proposal and present it at an interview. Progression to the writing of the M.St. dissertation is dependent on the acceptance of this research proposal at the subsequent interview. The content studied must have been in an area appropriate to the degree sought. The University will consider exempting students from the requirement of the initial Postgraduate Diploma where the student has recently achieved a satisfactory standard (normally a second class or higher grade) in a Postgraduate Diploma of equivalent standing from a recognised institution of higher education in relevant subject areas. Each case is determined on its own merits and students seeking exemptions must in the first instance apply in writing to the Co-ordinator, indicating clearly the content and grades of the qualification. If an exemption is allowed the student may then proceed to take one M.St. Qualifying Module and on completion, be considered for progression as described above. Students who fail to satisfy the examiners for one postgraduate diploma may not proceed to the Masters programme subsequently regardless of grades received in later work.

10.4 *Duration:* The course is one-year, on a part-time basis.

10.5 *Course Structure:* The course consists of lectures and seminars, which will take place throughout the academic year during the evenings and at weekends. It will be based on school-based educational research, evaluation and data processing. In addition there will be a dissertation on a project which will be supported by appropriate individual and group supervision.

10.6 *Course Content:*

1. The Nature of Inquiry
2. Research, Design, and Evaluation Paradigms
3. The Analysis, Interpretation and Presentation of Information
4. Information Technology and Data Handling
5. Statistics

10.7 *Assessment:* To complete the degree programme a student must:

1. Satisfactorily attend lectures and other academic exercises prescribed.
2. Satisfy the examiners with regard to the tests, assignments and examinations prescribed.
3. Prepare a satisfactory research proposal and present it at an interview.
4. Satisfactorily complete a research dissertation.

The required dissertation on the research topic will be both internally and externally assessed according to college criteria.

10.8 *Course Co-ordinators:* Dr Andrew Loxley and Dr Deirdre O'Neill

M.Sc. Courses

11. Applied Psychology (M.Sc.)

11.1 *Introduction:* The course is designed to provide students with a general awareness of the problems of applying psychology, a knowledge of skills required to apply it effectively and a detailed understanding of their chosen focus of application. The themes of analysis, intervention and evaluation are central to the structure and philosophy of the course. The core modules provide training in research methods and professional issues. Optional modules enable the further development of these competencies and knowledge while enabling students to consider their application in specified content areas.

11.2 *Admission Requirements:* Applicants will be required to hold an upper second class honors degree or its equivalent from a recognised university course, which confers eligibility for graduate registration with the Psychological Society of Ireland or equivalent professional body in the case of overseas applicants.

11.3 *Duration:* The course will normally last for one year in the full time mode or two years in the part-time mode. In either case students may take an additional year to complete their dissertations.

11.4 *Course Structure:* The following two core modules are compulsory and will offered every year. “Philosophical and professional issues in applied psychology”, and “Research Methodology and Statistics”.

A range of applied optional modules will be offered each year and students must take four of these modules. In general, each module will be offered on alternate academic years (subject to staff availability, timetabling constraints and demand). However, popular modules may be offered every year. The following is a list of currently available modules

- Introduction to Psychometrics
- Applied behaviour analysis
- Applied Psychology
- Lifespan developmental psychology
- Health Psychology
- Safety management
- Ergonomics
- Organisational change
- Issues in child and adolescent clinical psychology
- Issues in adult clinical psychology
- Issues in clinical psychology and intellectual disability
- Communication

In addition all students will be required to submit a dissertation based on an empirical investigation of a topic in applied psychology.

11.5 *Assessment:* Candidates shall be assessed throughout the course by:

- Written examination
- Coursework
- A combination of examination and coursework
- A dissertation based on an empirical project

In order to be awarded the degree of Master of Science in Applied Psychology, candidates must satisfy the Court of Examiners by passing all six of the taught modules of the course and by obtaining a pass on the dissertation. Each taught module will contribute 11% of the overall assessment and the dissertation will contribute 34%. The pass mark for each module and for the dissertation is 50%. Where a module involves more than one assessment all items of assessment must be passed. Candidates are normally expected to pass all taught modules and the dissertation. However, failure in one taught module may be permitted provided there is evidence of work of sufficient merit in other modules as determined by the Court of Examiners. Students who fail to satisfy the Court of Examiners in any module may be permitted at the discretion of the Court to represent themselves on one occasion only for supplementary written work or examination. Where a student is required to take such supplementary work or examination the original mark in the failed module will be replaced by 50% in the case of a successful outcome. Any candidate who fails any piece of supplementary coursework or repeat examination will be required to withdraw from the programme. A candidate who fails more than three modules at the first attempt will be required to withdraw from the programme.

11.6 *Course Director:* Dr Tim Trimble

12. Applied Social Research (M.Sc.)

12.1 *Introduction:* This one-year, full-time taught Masters course has now been running successfully for a number of years. It is designed for graduates in the social sciences who wish to develop their research skills and gain employment in the rapidly expanding area of research. Using a combination of lectures, workshops and practical assignments, this M.Sc. programme will train graduates to do the following:

1. design and conduct primary social research using both quantitative and qualitative research methods
2. analyse the research data collected using a variety of computer programmes and
3. write and present research reports.

The M.Sc. aims to train students in the most professional and comprehensive skills for executing applied social research. Graduates of the M.Sc. in Applied Social Research are employed in a variety of organisations, including Government Departments, semi-state agencies, private corporations and companies and private and public research institutes and consultancies.

12.2 *Admission Requirements:* Applicants should normally have an upper second class honors degree in one of the social sciences. Applications from graduates in other disciplines who have relevant experience will be considered.

12.3 *Course Structure:* The M.Sc. programme consists of various integrated courses, which run over two terms. The students then go on work placement in the third term for twelve weeks. Students complete their dissertation, submitting by the third Friday in September.

1. *Qualitative Methods:* The aims of this course are to give an understanding of qualitative methods and to help develop qualitative research skills. Students receive practical guidance on how to set up and manage a qualitative research project, collect data via individual in-depth interviews, turn data into meaningful findings and write it up in a research report. Issues such as project planning and administration, sampling, access negotiation, observation and qualitative interviewing, ethical issues in qualitative research, analysis of interview data, including the use of the data analysis package QSR NVIVO, will be covered. This course runs for 18 weeks, over two terms, with two lecture hours per week. A number of additional specialist workshops will also be convened. Each student will complete a qualitative research assignment.

2. *Quantitative Methods:* This course teaches students to describe sample characteristics and test statistical hypothesis using univariate, bivariate and multivariate statistical data analysis procedures. Technical aspects of scale construction are also covered, all using the statistical package SPSS. As part of this course students will be required to complete three secondary data analysis assignments as well as conduct an individual small scale primary research project including research design, data collection, data analysis and reporting of results. This course runs for 18 weeks, over two terms, with two lecture hours, a two hour workshop and two hours of computer practice per week.

3. *Applied Research:* This course will be based on guest lectures given by subject specialists from the public and private sector in addition to academics, who have effectively conducted applied research in a number of areas - equal opportunity policies, training and education policy, health services, cross national research, EU policy analysis and evaluation, racism and ethnicity in Ireland, community development, environmentalism, etc. This course will run over eighteen weeks.

4. *Accessing Data Sources:* Applied policy research begins with the identification of relevant literature on the topic. Computerised databases facilitate this task. This course will introduce students to the dimensions of the information society and its possibilities by introducing them to a variety of ways of interacting with computer-based information and retrieval systems. Students will be given a number of special tasks to enable them to develop their data access and skills using CD-ROM, on-line databases, electronic libraries and hypermedia systems such as the World Wide Web.

5. *Survey Design and Administration:* This course introduces students to the practical aspects of conducting social surveys including the formulation of testable hypotheses, questionnaire design, sampling, administration procedure and the reporting of results. This course runs for nine weeks, in the second term, with two lecture hours per week.

6. *Research Design and Ethics:* This course introduces students to conceptual issues in the design of research as well as covering such practical aspects of the research process as negotiating

access, ethics and the formatting of research tenders and proposals. This course runs for nine weeks, in the first term, with two lecture/seminar hours per week.

7. A Course in Substantive Sociology or Social Policy: In addition, students do one module in a substantive area of Sociology from a programme of courses available each year.

8. Work Placement: Students will spend twelve weeks on a paid work placement, working on research projects in their host organisation. Prior to taking up this work placement students must have satisfactorily completed all course assignments. Students are offered placement opportunities with a range of the most important Irish research institutes and consultancies, government departments, semi-state agencies as well as various trade and professional organisations.

9. Research Dissertation: As part of their degree assignment, students will conduct an applied research dissertation. This is an essential component of the degree. The applied research project will be initiated while on work placement and will be completed over the summer. It will demonstrate that students have the ability to complete an applied research assignment from the initial stages of accessing data to the presentation of a final report. It will include a complete review of the methodology, the research design and strategy used and a discussion of any difficulties encountered. The data collected for the research will be analysed using, as required, appropriate computer packages. It will be a minimum length of 20,000 words and it will be supervised by academic staff.

12.4 *Course Director:* Dr Evelyn Mahon

13. Child Protection and Welfare (P.Grad.Dip./M.Sc.)

13.1 *Introduction:* Students interested in registering for the M.Sc. programme register in the first instance for the Postgraduate Diploma (see entry below). Admission to the second year of this two-year part-time in-service M.Sc. programme is confined to candidates who achieve a 2.1 standard overall in the Postgraduate Diploma in Child Protection and Welfare. Instead of taking their Postgraduate Diploma, eligible candidates may treat their Postgraduate Diploma year as the first year of the M.Sc. programme and register for the second year with a view to the award of the M.Sc. on successful completion of the two-year programme. Eligible candidates (who have achieved the required standard in the diploma year) should submit their research proposal for the M.Sc. dissertation by 1st August. Candidates whose proposals are accepted will receive confirmation of this from the course co-ordinator by 1st September. Students registering for this second year are responsible for the payment of fees and for negotiating their participation in course assignments with their employer.

13.2 Year 2 comprises a series of lectures/seminars on organisational change and development, evaluation research methodology and related issues, entailing attendance at College approximately two days per month over the academic year. There is also regular contact with the student's assigned academic Supervisor.

During this year, students complete a dissertation (approximately 20,000 words) usually based on an action-research project in their workplace. It must include:

- a) a summary of the completed project
- b) a full and critical account of the methodology adopted and its theoretical and practical rationale
- c) a literature review
- d) a description and evaluation of the outcome/findings of the project and their implications for future research and practice in relation to the particular theme
- e) recommendations relevant to the operational and strategic concerns of the student's organisational system.

This dissertation is to be submitted in early June of Year 2. The precise date will be announced each year.

13.3 *Course Co-ordinator:* Professor Robbie Gilligan

14. Clinical Speech and Language Studies (M.Sc.)

14.1 *Introduction:* This part-time two year M.Sc. Course consists of core and specialist modules within a suite of five professional strands which are designed to provide qualified speech and language therapists with opportunities to advance their academic knowledge and professional practice skills with specialist clinical populations. The specialist strands offered for the academic year 2007 – 2008 are as follows:

- (1) Dysphagia *
- (2) Acquired Communication Disorders
- (3) Child Language
- (4) Fluency
- (5) AAC

* There is also an opportunity to do a Postgraduate Diploma in Dysphagia (see entry page **109**) as a stand alone course.

14.2 *Duration:* The M.Sc. course takes place over a 2 year period. Core and specialist modules are taught during Year 1; research project and dissertation are the main focus in Year 2. Classes are timetabled to facilitate clinicians in employment.

14.3 *Admission Requirements:* Eligible candidates should hold at least an upper second class honors degree in Clinical Speech and Language Studies or an equivalent qualification in Speech and Language Therapy.

14.4 *Course Structure:* The M.Sc. course comprises six core modules, irrespective of the strand chosen: Research Methods and Statistics, Disability and Society, Ethics, Introduction to Analysis of Talk in Interaction Advanced Counselling and Evidence Based Practice. Modules on specific topics are then selected from the specialist areas. The core and specialist modules will be the focus for students in Year 1. In Year 2 the concentration will be on research leading to dissertation in the selected specialist area.

For the specialist module in Dysphagia, students may register for a one year Postgraduate Diploma in Dysphagia (see entry page **109**). This course is similar to Year 1 of the M.Sc. course but students do not complete the research component, which leads to a dissertation. Students who successfully complete the Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia) may progress to the second year of the M.Sc. in Clinical Speech and Language Studies (Dysphagia strand) if they have completed course assignments satisfactorily and have notified the Course Coordinators in writing of their request to transfer by 1st February. Students who opt to transfer from the Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia) to the Dysphagia strand of the M.Sc. in Clinical Speech and Language Studies must forfeit the award of Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia).

Students for both the Postgraduate Diploma and M.Sc. specialist course in Dysphagia must arrange their own clinical practicum, with Supervisors recognised by the Department.

14.5 *European Credit Transfer System (ECTS):* The M.Sc is the equivalent of 90 ECTS: 6 course modules at 10 ECTS (60 ECTS) and the dissertation is equivalent to 30 ECTS.

14.6 *Assessment:* Students registering for the M.Sc. across all specialist areas must pass each of the required assignments in order to progress to the next year. M.Sc. students are also required to submit a research proposal at the end of the first year and obtain ethical approval before undertaking data collection for their research project. The dissertation will be the main research requirement for the second year. This will be approximately 20,000 words in length and must be submitted to the Department of Clinical Speech and Language Studies at the beginning of September in Year 2.

14.7 *Course Co-ordinators:* Dr Margaret Walshe and Ms Margaret Leahy

15. Clinical Supervision (M.Sc.)

15.1 *Introduction:* The M.Sc. in Clinical Supervision is offered by Trinity College, School of Psychology. It is a two year part-time course aimed at experienced and practising psychologists, psychotherapists and mental health professionals who hold an honours degree in psychology or a related field and who wish to further their professional development, research capability and train as clinical supervisors.

15.2 *Admission Requirements:*

- Applicants will normally be required to hold an honours degree in psychology or a related field e.g. social work, education etc.
- Post qualification and/or training and experience in supervision
- Demonstration of commitment to ongoing professional development (e.g. further training workshops, seminars, conferences)
- Practising and a full member of a recognised professional body e.g. the Psychological Society of Ireland, the Irish Council for Psychotherapy, the Association for Counselling and Psychotherapy, the British Psychological Society or equivalent.
- Have access to a supervisee base for professional clinical practice
- Formal application, 2 references and individual interview

15.3 *Duration and course structure:* The M.Sc. is a 2 year part-time course offered on Saturdays and one additional weekday to facilitate students who have work commitments. Dates and times are detailed in the Course Handbook. Students may take an additional year to complete their dissertations. In this instance an additional continuation fee applies.

There are 6 taught modules, a Professional Practice Module and a dissertation. Over the course of the 2 years students complete 120 hours of supervision practice in the Professional Clinical Practice Module under 24 hours of clinical supervision (60 hours per year with a minimum of 12 hours clinical supervision for this practice per year). Costs associated with clinical supervision of the Professional Practice Module are additional to course fees and the responsibility of the student. Students are also required to submit a dissertation based on empirical enquiry into an aspect of clinical supervision.

Module 1: Advanced Clinical Supervision, theory, skills & process	10 ECTS
Module 2: Clinical Supervision & Perspectives in Adult Learning	5 ECTS
Module 3: Advanced Peer & Group Supervision	10 ECTS
Module 4: The Reflective Practitioner	5 ECTS
Module 5: Professional Clinical Practice	10 ECTS
Module 6: Organisational Change	10 ECTS
Module 7: Research Methods	10 ECTS
Module 9: Dissertation (c20,000 words)	30 ECTS

Competence is developed through a combination of lectures, experiential learning workshops, discussions, clinical supervision, group and peer supervision, written assignments, tutorials and professional clinical practice. All modules are compulsory and each has an assessment component.

15.4 *Assessment:* Students will be assessed throughout the course by:

- Coursework
- A combination of examination and coursework
- Professional clinical practice
- Dissertation

In order to be awarded the degree of Master in Science in Clinical Supervision students must satisfy the Court of Examiners by passing (50%) all six of the taught modules of the course, the dissertation and by obtaining a pass on the Professional Clinical Practice module. Students who fail to satisfy the Court of Examiners in any taught module may be permitted, at the discretion of the Court, to present themselves on one occasion only for supplementary written work or examination. Where a student is

required to take such supplementary work or examination the original mark in the failed module will be replaced by 50% in the case of a successful outcome. A student who fails more than three modules at the first attempt will be required to withdraw from the programme. All Year 1 modules must be passed to progress to Year 2.

Procedures for failed assessment of Taught Modules

In the event of an assignment/exam being failed, one attempt to repeat that assignment/exam will be allowed. If the repeat assignment/exam is again failed, that module is also deemed failed. Compensation for failure in one taught module may be permitted provided the mark awarded for the module is above 40% and the average mark for all modules is at least 50%.

Procedures for failed Professional Clinical Practice Module

In evaluating professional clinical competence, the examiners will take into account the Clinical Supervisor's evaluation of clinical competence and the breadth and quality of experience as outlined in the Professional Clinical Practice Portfolio, in the context of the student's overall progress on the course to date. In the event of a fail being returned for the Professional Practice Module, the student will be notified in writing.

If the Fail was due to poor development of clinical competence, a course tutor and/or Course Director will consult with the external clinical supervisor and meet with relevant parties to determine the most appropriate course of action (which may involve supplementary hours of professional clinical practice under clinical supervision, if this can be accommodated within the academic year. Where supplementary hours of professional clinical practice cannot be accommodated within the academic year, the student may be permitted to repeat the year on the recommendation of the Court of Examiners).

If the Fail was due to clearly and known unethical, unprofessional or illegal behaviour, the case will be reviewed by the Course Management Committee who will decide on an appropriate course of action which may include exclusion of the student from the course. In addition, the student will be referred to their professional society or association.

If the Fail was due to unethical behaviour of a less serious nature, the Course Management Committee may recommend supplementary hours of professional clinical practice under clinical supervision. The student must achieve a Pass standard for these supplementary hours. If a student receives a second Fail for supplementary hours, s/he will be required to withdraw from the course.

Suitability for training

The role of the Clinical Supervisor holds a gate keeping function in their relevant professions and as such, students themselves, must conform to the highest ethical and best practice standards. This role ultimately functions to protect the welfare of the client, the supervisee and the public. Consequently, students are expected and required to conform to the code of ethics and conduct of their relevant professional bodies, in addition to University requirements.

Unsuitability for training constitutes sufficient grounds for exclusion of a student from the course. Unsuitability for training includes a breach of the student's Code of Ethics and/or an inability or unwillingness to uphold appropriate professional standards of conduct or behaviour in terms of constructive relationships with others (including peers, tutors, supervisors or other professional groups). Such unsuitability may lead to significant problems in training which by themselves have not led to repeated failure of module assessments. Unsuitability also involves an inability or unwillingness to use feedback on interpersonal difficulties in a constructive way. Where concerns over a student's suitability arise, the Course Director/tutor will consult with the student concerned in the first instance and specify a course of action that must be completed by the student. If a student fails to meet the requirements specified by the Course Director, the case will be referred to the Course Management Committee and/or External Examiner who may recommend further action or ultimately may recommend that the student be excluded from the course. An assessment of the student's suitability for training by an external specialist may be requested by the Course Management Committee.

Dissertation

Dissertations have a research supervisor, an external examiner and must be conducted in accordance with College Procedures and follow best practice principles for research.

Procedures for failed dissertation will also be conducted in accordance with College procedures. While a viva voce is not mandatory at the Masters level, one may be held at the discretion of the Course Director in consultation with the External Examiner and/or the Court of Examiners on academic grounds after initial review of the dissertation.

Students who achieve a pass (50%) on all components of the course will be eligible for the Award of Master in Science in Clinical Supervision.

15.5 *Closing Date:* May 31st. Late applications may be considered if places remain available after the closing date. Applications for admission must be secured from and submitted directly to: Course Secretary, M.Sc. in Clinical Supervision, School of Psychology, Trinity College, Dublin 2.

15.6 *Course Director:* Ms. Mary Creaner

16. Counselling Psychology (M.Sc.)

16.1 *Introduction:* This is a dynamic, demanding, highly professional training course in Counselling Psychology. The academic core of the programme is based in person-centred theory which integrates other established theories and practice related to Counselling Psychology. Psychodynamic, Social Learning, Gestalt, Cognitive and Behavioural, and Systemic perspectives and approaches are particularly emphasised. All modules are sequenced and considered in light of a life span development perspective. The student's ability to self-reflect and engage in personal and interpersonal process in relation to self and clients is a primary focus of training.

The course is unique in the E.U. in two particular ways.

(1) A wide range of approved clinical placement sites are on offer including health service teams, GP offices, third level counselling services, community counselling services along with secondary and primary schools. Some of these offer stipends. Students are also supported in bringing on board new or specialised placements, or placements outside of Dublin, also in communities where they will practice after completing the course.

(2) Staff on this course invest significant time and attention to supporting student's academic and professional development. All students receive formative and summative evaluation feedback throughout the year in a variety of ways, through tutorials, feedback on written assignments, supervisor's reports and so forth. In the first year, the course offers graduates in psychology academic and practical skills training in Counselling Psychology, significant personal development work, and a foundation in research capability. Professional and case management issues as well as advanced life span developmental psychology and its applications, are presented. Assessment procedures and psychometric tests particularly relevant to counselling psychology are offered and competence in administering, scoring, and interpreting relevant tests is required.

The second year involves further training in counselling theories and practice, continued professional development work, and an emphasis on research in Counselling Psychology that is assessed through the research dissertation. Couples and group counselling training is provided. Workshops are offered by specialists in various areas on contemporary topics. Prior to starting placement, first year students attend a 3 day orientation to the College and the Course, followed by 6 weeks of intensive work on campus. Thereafter, students are typically on placement 2 full days per week, and in college 2 full days per week (during terms). However, from time to time adjustments to timetable and placement requirements may be necessary. Each student is actively involved in supervised counselling work over the academic year. Clinical supervision is provided in multiple formats weekly, e.g. 1:1 casework supervision by a site Supervisor, small group supervision and video work is provided in College. Students must adhere to the PSI Code of Professional Ethics (www.psihq.org) and the College guidelines on clinical competence.

Each student is required to undertake a minimum of 60 hours of personal therapy at their own expense in addition to the group process work provided by and required by the course. Students meet weekly with a learning partner as a source of support and personal development activity.

The course outline on the website: www.tcd.ie/Psychology/counselling.html provides detailed information on the course.

16.2 *Admission:* Only applicants who are graduates in psychology with at least a second class honors degree and some related experience will be considered. International applicants with equivalent qualifications are most welcome to apply. Completed application forms together with 2 academic references are required for the initial application. Personal interviews, group and individual format, are held the end of March of each year for entry the following September. Applicants must also complete a personal statement questionnaire as well as the College's standard application form.

16.3 *Duration:* This is a 2 calendar year, full time, intensive course. Students are required to continue their placement throughout the summer months. The summer before entering second year includes preparation of the dissertation proposal.

* Placements follow the assigned agency's calendar, not the College calendar.

16.4 *Assessment:* A variety of assessment methods is used depending on a specific module, e.g. skills evaluation and in-class participation, essays, multiple choice tests, personal & professional development report, process reports, case studies, student presentations. Practical work is also assessed, e.g. through presentations, supervisor's evaluation, placement review. Research is assessed through Masters Dissertation. For details see Course Handbook.

In order to rise with their year, students must achieve a satisfactory level of performance in each and every aspect of assessment. A Pass standard must be achieved on each module. If a student should fail to achieve a Pass standard on any component, s/he must satisfy the examiners by fulfilling such other resubmission/re-sit of the assessment of that component as the Course Director, and ultimately, the examination board decides. A student will not be permitted to proceed if s/he fails to satisfactorily complete the course requirements or to reach a Pass standard in all assessments for the year. All marks given during the year are provisional until accepted by the Board of Examiners, which meets in September.

Resubmission Procedures for assessments (excluding placements) that fail to reach a Pass standard: Where a resubmission or re-sit of assessed work is required, a maximum grade of Pass will be awarded, regardless of the quality of the work. If the re-submitted work does not meet the marking criteria for a pass grade, the student will be considered to have failed the course, except where a grade of Near Pass* is achieved, in which case, the student will be permitted to resubmit/re-sit the work on one further occasion. If upon a third re-sit/resubmission for any one piece of work a Pass grade is still not achieved, the student will have been considered to have failed the course.

Unsuitability for training constitutes sufficient grounds for exclusion of a candidate from the course. Unsuitability for training includes a breach of the Psychological Society of Ireland's Code of Ethics and/or an inability or unwillingness to uphold appropriate professional standards of behaviour in terms of constructive relationships with others (including clients, peers, tutors, supervisors or other professional or staff groups). Such unsuitability may lead to significant problems in training which by themselves have not led to repeated placement failure or failure of a re-submitted piece of work. Unsuitability also involves an inability or unwillingness to use feedback on interpersonal difficulties in a constructive way. Where concerns over a student's suitability arise, the Course Director will consult with the student concerned in the first instance and attempt to identify a course of action that must be completed by the student. If a student fails to meet the requirements specified by the Course Director or if it is not possible to identify an appropriate course of action, the case will be referred to the Course Management Committee and/or External Examiner who may recommend further action or ultimately may recommend that the student be excluded from the course. An assessment of the student's suitability for training by an external specialist may be requested by the Course Management Committee.

Procedures for failed placement: The reason for the Fail must be clearly stated in writing and shared with the student. If the Fail was due to poor development of clinical skills, the placement site and course supervisor, tutor and/or Director will meet to determine the most appropriate course of action (which may involve supplementary time on placement if this can be accommodated within the academic year – where supplementary time on placement cannot be accommodated within the

academic year, the student may be permitted to repeat the year on the recommendation of the Board of Examiners). If the Fail was due to unethical behaviour, the case will be considered and fully investigated by the Course Management Committee. If the Fail was due to clearly and known unethical or illegal behaviour, the Course Management Committee will decide on the appropriate course of action which may include exclusion of the student from the course. In addition, student would also be referred to the Psychological Society of Ireland or their particular Professional Society. If the Fail was due to unethical behaviour of a less serious nature, the Course Management Committee may recommend supplementary time on placement (where this can be accommodated within the academic year. Where supplementary time on placement cannot be accommodated within the academic year, the student may be permitted to repeat the year on the recommendation of the Board of Examiners. The student must achieve a Pass standard for the supplementary time on placement. If the student receives a second Fail for placement, s/he will be excluded from the course.

Candidates who achieve a pass on all components of the course will be eligible for the Award of Master of Science in Counselling Psychology.

16.5 *Course Director:* Dr Ladislav Timulak

*'Near Pass' is one of the grades within the Marking Scale for the course. The definition of this grade is provided in the course handbook.

17. Drug and Alcohol Policy (M.Sc.)

(There is no intake in 2007/08)

17.1 *Introduction:* This course has been designed to offer a broad critical understanding of how society attempts to prevent or respond to problems associated with the use of licit and illicit drugs, as well as a more specific opportunity to develop research, management and policy-making skills in this area. It is aimed primarily at those who hold management or policy-making positions in any of the human service organisations which deal with drug and alcohol problems, but it also seeks to attract professionals who might play a leadership role in addictions work within their own professions. Candidates from the first category might include the following: middle-ranking or senior civil servants or health board officials; directors or senior workers from voluntary drug and alcohol services; senior officials from the Probation and Welfare Service, the Prison Service or the Garda Síochána; members of Local Drugs Task Forces. Candidates from the second category might include: family doctors, community pharmacists, teachers, social workers, public health nurses, and other community care personnel.

17.2 *Admission Requirements:* Candidates for the M.Sc. in Drug and Alcohol Policy must have current or recent experience of either direct service provision, administration or policy-making relevant to the addictions field.

Candidates will normally be expected to have:

- a) a recognised professional qualification in a health, social care or another human service field (whether or not this qualification is linked to a primary degree), or
- b) a non-professional primary degree of at least 2.2 standard.

Candidates who do not satisfy academic/professional criteria may be accepted to the course if the Selection Committee is satisfied that they have the ability to complete the course and are well placed to make good use of it. Such candidates will be asked to present a portfolio of their work (including, for example, written work, evidence of attendance at courses or conferences and evidence of relevant organisational and administrative work) for the consideration of the Selection Committee.

17.3 *Course Structure:* The course extends over two years on a part-time basis, with students attending College three days a month from September to June, during which they will complete the following six 40-hour modules:

1. Alcohol and Drugs - Use and Problem Use
2. National and International Policy
3. Research and Evaluation

4. Research Seminars
5. Therapeutic Interventions into Problem Drug and Alcohol Use
6. Service Management.

These modules will be taught in a multi-disciplinary way, drawing from a variety of relevant university-based disciplines, including sociology, social policy, pharmacology, psychiatry, community health, law, business studies and psychology, as well as from external professionals and institutions.

- 17.4 *Assessment:* To complete the course successfully, candidates must satisfy the examiners by:
1. achieving a pass mark on all written requirements for the six modules
 2. carrying out an appropriate research project, to be written up in dissertation format (17,000-20,000) at the end of year two.
- 17.5 *Intake:* There will be an intake of students to the course every two years, and the next course will be advertised in February 2008.
- 17.6 *Course Co-ordinator:* Dr Shane Butler

18. Economic Policy Studies (M.Sc.) (There is no intake in 2007/08)

18.1 *Introduction:* This two-year part-time course is designed to provide its graduates with the skills to apply economic perspectives, approaches and related skills to the study of policy issues. There is an intake of students every second year, the next intake will be for the academic year commencing September 2008. Staff from the Departments of Economics, Political Science, Statistics and School of Business, together with outside experts, lecture on the course. The Department of Economics coordinates and administers the course. Target participants for the EPS course are suitably qualified administrators, senior and middle managers and specialists involved in the public policy process in the public, private and not-for-profit sectors.

18.2 *Aims:* The course's aim is to provide participants with a greater understanding of the policy process and the ability to engage confidently in evidence-based policy making. It enables graduates to contribute effectively to the processes of policy formulation, change and implementation, using various concepts and methods in social science analysis, including those found in economics, political science and business studies. Policy making in any field requires a range of skills and analytical approaches; while this course focuses on economic policy, and on the economic analysis of other policies, including social policy, it also seeks to provide the graduate with tools and insights from other social science disciplines, which will allow her/him to become an effective economic policy-maker.

18.3 *Course Streams:* The EPS course offers students a set course in the first year and a choice of two streams at the beginning of the second year:

- a) policy analysis and evaluation
- b) competition and regulation

18.4 *Admission/Entry Requirements:* Applications are invited from graduates holding an honors degree, preferably in the social sciences, and with relevant work experience in the policy process. Relevant work experience may involve any or all of the following aspects of policy: formulation, review, development, evaluation or implementation. Applicants with equivalent qualifications, or with honors degrees in disciplines outside the social sciences, will be considered on their merits as to suitability on a case-by-case basis. In exceptional circumstances, applicants failing to meet either the academic or work experience requirements may be accepted on the course. Academically qualified applicants who do not have relevant work experience must demonstrate that they are well placed to benefit from the course and that they have the ability to complete it. Applicants with relevant work experience but not academically qualified must demonstrate that they have the academic ability, commitment and motivation to succeed and benefit from the course. The relevant information in both

instances must be conveyed in the applicant's personal statement form (PSF) which must accompany the standard TCD postgraduate application form (which also requires the submission of confidential references and academic transcripts). In considering applications, the Course Committee will have regard to the content of the PSF in deciding whether or not to accept a candidate. The PSF must outline applicant's reasons for undertaking the course, detail how s/he meets the admission criteria listed, and generally make a case as to the applicant's personal, professional and academic suitability for the course. Follow-up interviews may take place, if necessary. Notwithstanding an applicant's fulfilment of the entry requirements detailed above, the Committee may decide to refuse an application on the basis, for example, of the confidential references submitted with the application as regards the potential and ability of the applicant to undertake the course, or because of the limited number of places available on the course.

18.5 *Course Structure:* The two-year course consists of both a taught and a research element. Students will undertake a number of taught modules over three terms (from late September/early October of year one to December of year two) and spend the remainder of the second year working on their dissertations. The five compulsory modules to be taken by all students in year one are as follows: statistics and research methods; modelling for public sector decision-making; understanding markets; domestic and supranational policy-making in Europe; understanding the economic policy context. Students' choice of modules in the second year depends on the stream they choose. The modules on the Policy Analysis and Evaluation stream cover economic analysis; tax policy; project appraisal; regulatory impact assessment; course evaluation; and the theory and practice of public management reform. The modules on the Competition and Regulation stream cover economic aspects of competition and regulation (including competition/antitrust economics and policy, the regulation of natural monopoly and regulatory economics/policy); and legal aspects of competition and regulation.

18.6 *Duration:* The course commences in late September/early October and extends over two years on a part-time basis, with most lectures scheduled on Fridays and on Saturday mornings from late September/early October to December in Year 1, (Term 1), January to March in Year 1, (Term 2) and late September/early October to December in Year 2, (Term 3). A limited number of lectures may take place outside these times. Students are expected to commence preparatory work on their dissertation proposals from October of Year 2, and from January of Year 2, they will work solely on their dissertations until the submission date at the end of September in Year 2. They are required to attend and present seminars on their research during that period.

18.7 *Assessment:* Assessment for each individual module may include one, or more, of the following forms: written work, such as essays and case studies; computational exercises; computer-based exercises; class tests; oral presentations; and/or formal examinations. In general, most modules delivered in Terms 1 and 2 are assessed by a combination of examinations and the submission of written work, while in Term 3, most modules are assessed by means of written work and oral presentations. Students must achieve a pass mark (40%) in these taught elements of the course before they are allowed to proceed to the research element of the course from January of Year 2 onwards. Rules for passing individual modules within the taught element, including details of the provisions regarding repeats and the compensation system, are set out in the course handbook. The research dissertation forms the final assessment. It is based on a research project analysing a policy topic relevant to the scope of the course and must not exceed 20,000 words. It is submitted at the end of Year 2. Students must achieve a pass mark in the dissertation.

18.8 *Course Co-ordinator:* Dr Francis O'Toole

19. Economics (M.Sc./P.Grad.Dip.)

19.1 *Introduction:* The objective of this course is to provide well-qualified graduates in economics and related disciplines with the training required to enter Ph.D. programmes in economics or to work as economists in government or private sector organisations. The course focuses on the technical skills needed to undertake economics research and emphasises active and problem-based

learning to ensure mastery of the basic skills. On successful completion of the course, students are awarded the degree of M.Sc. (Econ) referred to as a Masters in Economic Science.

19.2 *Admission Requirements:* Candidates should normally hold at least an upper second class honors degree that has significant economic theory and/or quantitative component. Applications are expected from candidates with single or joint honors Economics degrees, Business or B.Comm. degrees with economics options in their final year, or Mathematics, Physics or Engineering graduates.

19.3 *Duration:* The course is for ten months duration, on a full-time basis, with one month preliminary training in mathematics and statistics and nine months on the M.Sc. register. The preliminary course commences at the beginning of September and the M.Sc. concludes by the following June.

19.4 *Course structure:* The course is structured around five components:

1. An intensive preliminary course in Mathematics and Statistics in September. This course must be passed prior to enrolment on the M.Sc. in October.

2. Microeconomics I, Macroeconomics I and Econometrics I will be taught over ten weeks in Michaelmas Term. Students will hand in weekly problem sheets and write examinations at the end of Michaelmas Term with a supplemental in week one of Hilary Term.

3. Microeconomics II, Macroeconomics II and Econometrics II will be taught over ten weeks in Hilary Term. Students will hand in weekly problems sheets and write examinations at the end of Hilary Term, with a supplemental in week one of Trinity Term.

4. Students will attend a Research Topics course over twenty weeks throughout Michaelmas and Hilary Terms. Staff will present their research areas to the class. On the basis of these lectures, students must hand in a number of seminar papers, which will provide a critical analysis of the research areas surveyed.

5. A research proposal must be submitted by the end of Hilary term, with the aim of completing a minor dissertation on this topic by the third Friday in June. Candidates whose dissertations do not meet the minimum pass standard will have the opportunity to re-submit by the second Friday in September in order to reach the required standard.

19.5 *Assessment:* An overall mark of 50% must be obtained on the preliminary mathematics and statistics course in order to be allowed to register for the M.Sc.

Assessment on the M.Sc. register will be based on coursework (both continual assessment and examination performance) and the dissertation. 60% of the overall grade will be allocated to coursework and 40% to dissertation. An overall average of 60% must be achieved on the coursework in order for a student to be permitted to proceed to write a dissertation and to be eligible for the award of M.Sc. degree. Those who fail to achieve an average of 60% in M.Sc. coursework will not be allowed to proceed to the dissertation, but provided that they have reached an adequate standard (45% to 59%) will be eligible for the award of a Postgraduate Diploma in Economics. Students who fail the dissertation (i.e. receive a mark less than 60% having one possibility of resubmission) will not be awarded the M.Sc. but will be eligible for the award of Postgraduate Diploma in Economics. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Sc. at any later stage.

The grading structure and the weighting of the various course components are shown in the following table.

	Microeconomics	Macroeconomics	Econometrics	Research Topics
Total Marks				
Continuous Assessment I	20	20	20	30
Examination I	30	30	30	
Continuous Assessment II	20	20	20	30
Examination II	30	30	30	
Total	100	100	100	60
Pass	216/360 = 60%			
Grading of Dissertation				
Pass	144/240=60%			
Overall Grade				
Pass	360/600 = 60%			

19.6 Course Co-ordinator: Dr Carol Newman

20. Technology and Learning (M.Sc./P.Grad.Dip.)

See entry 19 in the Faculty of Engineering, Mathematics and Science for further details.

M.Phil. Courses

21. Anglo Irish Literature (M.Phil./P.Grad.Dip.)

21.1 *Introduction:* The course offers graduates in English or in related disciplines (e.g. history, art history, Irish studies, a modern language) the opportunity to study the broad range of authors of Anglo-Irish literature from the eighteenth century to the present. It also addresses thematic aspects of the field.

21.2 *Admission Requirements:* Applicants should normally have a good honors degree (at least of upper second standard) or equivalent qualification. Some previous knowledge of Anglo-Irish literature is desirable.

21.3 *Duration:* The course lasts for one calendar year from October and requires full-time study.

21.4 *Course Structure/Content:* The course consists of six elements:

a) The main authors of Anglo-Irish literature, with special attention to Swift, Edgeworth, Yeats, Joyce and Beckett are studied in two weekly two-hour seminars in the Michaelmas and Hilary terms.

b) There is a series of lectures on the contexts of Anglo-Irish literature in Michaelmas and Hilary terms.

c) There is a course in Research Methods in the Michaelmas and Hilary terms.

d) A number of special subjects are offered in Michaelmas and Hilary terms. Students are required to select one of the special subjects offered in the Michaelmas term and one of the special subjects in the Hilary term. These special subjects vary from year to year according to staff availability. Such courses in the past have included: Literary Myths of the Revival, Irish Drama and the Metropolitan Theatre, Modernism and Irish Poetry, Irish Fiction after Joyce, Irish Women's Writing, Cultural Memory in Ireland, Cinema and Ireland.

In place of a special subject offered in the Hilary term, students may enrol for a Creative Writing workshop, which meets throughout the Hilary term. Entry to this part of the course is based on assessment of a portfolio of the student's writing which must be submitted before the end of the Michaelmas term.

e) There is a series of seminars on critical issues in Irish studies led by outside speakers in Trinity Term.

f) A dissertation on an aspect of Anglo-Irish literature is planned in consultation with a Course Director in Hilary Term and is prepared and written under the guidance of a Supervisor during Trinity term and the long vacation.

21.5 *Assessment:* Assessment is by a combination of course papers (in the case of Creative Writing by presented work) and dissertation with weighting as follows:

1. Course papers and presented work (60%)
2. Dissertation (40%).

Students must complete the other elements of the course satisfactorily before being allowed to present the dissertation. Candidates who satisfy the examiners in everything but the dissertation may be considered for the award of a Postgraduate Diploma in Anglo-Irish Literature. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

21.6 *Course Directors:* Professor Terence Brown
Professor Nicholas Grene
Administrator: Ms Lilian Foley

22. Applied Linguistics (M.Phil./P.Grad.Dip.)

22.1 *Introduction:* This course, which shares some elements in common with the M. Phil. in Linguistics, is offered by the School of Linguistic, Speech and Communication Sciences.

22.2 *Aims:* The aims of the course are:

1. to introduce students to techniques of linguistic description and central concepts in applied linguistics
2. to proceed from this basis to more advanced study of central topics in applied linguistics
3. via the dissertation component, to introduce students to research in applied linguistics.

22.3 *Admission Requirements:* Applicants are normally required to possess a good primary degree or equivalent qualification. Language-specific components of the course cater for Irish and the continental European Languages of the Irish school curriculum (French, German, Italian, Spanish). Previous knowledge of applied linguistics is not a requirement.

22.4 *Duration:* The course is taken full-time in one calendar year (October to September) or part-time in two calendar years. Only the part-time option is available to students who require to remain in employment while taking the course.

22.5 *Structure:* The course consists of six taught course modules, together with a research methodology course and a dissertation. The taught course modules are made up of four mandatory core courses and two elective option courses.

22.6 *Core courses.* The core courses are:

- a) Second language curriculum planning and implementation
- b) Language testing
- c) Language acquisition
- d) Describing grammar

22.7 *Elective courses:* The elective courses include:

- a) Technology, language and communication
- b) Bilingualism and the maintenance of Irish
- c) History and globalisation of English
- d) Corpus linguistics
- e) Language variation and change
- f) Linguistic pragmatics

g) Lexicology

Not all options may be available in any one year, depending on staff availability and timetabling. Other options may be introduced by the Course Committee at a later date.

22.8	<i>European Credit Transfer System (ECTS):</i>	The M.Phil is the equivalent of 90 ECTS:
	6 course modules at 10 ECTS	= 60 ECTS
	Dissertation at 30 ECTS	= 30 ECTS
	Total	= 90 ECTS

The Postgraduate Diploma is the equivalent of 60 ECTS.

22.9 *Dissertation:* As well as following the above programme of study, students write a dissertation of not more than 15,000 words on a topic in either language processing or speech science. The grounds on which the court of examiners may debar students from writing and submitting a dissertation are set out in the course handbook.

22.10 *Assessment:* Students are assessed on the basis of their performance in (i) six assignments of approximately 3-4000 words each related to the course modules of the course and (ii) their dissertation. Assignments must be submitted not later than the first Monday of the term following the term in which they are set; dissertations must be submitted not later than 30th September in the year in which the course is completed. Students whose dissertation fails to satisfy the examiners may, on the recommendation of the court of examiners and on payment of the prescribed fee, be allowed to register for a further year and revise their dissertation. Students who for personal reasons decide not to write a dissertation, or who are debarred from doing so by the court of examiners, will be awarded a Postgraduate Diploma in Applied Linguistics, provided that they satisfy the examiners in respect of their course-work. Any student who is awarded the Postgraduate Diploma automatically forfeits progression to the M.Phil. at any later stage.

22.11 *Course Co-ordinator:* Dr Jeffrey Kallen

23. Comparative Literature (M.Phil.)

23.1 *Introduction:* This course is designed to provide an understanding of Comparative Literature as a subject of study and a critical practice. The core modules provide the theoretical and methodological basis for comparing texts of various genres and artefacts of different media at an advanced level. Optional modules enable the further development of these competencies and offer opportunities to develop and apply this knowledge and these skills to a range of primary texts from a wide range of languages, cultures, epochs and other contexts.

23.2 *Admissions Requirements:* Applicants would normally be required to have a good honors degree (at least upper second class honors standard), or an equivalent qualification, in a cognate area. Applicants should normally have an advanced reading knowledge of at least one further language among those offered by the School of Languages, Literatures and Cultural Studies at Trinity College Dublin.

23.3 *Duration and course structure:* The course is full-time and lasts 12 months starting in October of each year. Teaching takes place over three terms, followed by a five-month dissertation-writing period.

The course consists of two core modules taken by all students (Theory and Methodology and Moving between Cultures), two options from the range offered in a given year, and a dissertation of 15-20,000 words whose theme and approach should be comparativist. With the approval of the Course Director students may be permitted to avail of 10-credit units offered on other M.Phil. programmes in the School.

Students who decide that they wish to continue for a research degree may be facilitated in registering on the research register in the October when they have submitted their M.Phil. dissertation. In this way the M.Phil. in Comparative Literature may form part of an integrated Ph.D. programme.

23.4 *Assessment:* Candidates are assessed throughout the course by:

- Coursework
- Dissertation

In order to be awarded the degree of M.Phil. in Comparative Literature candidates must satisfy the Court of Examiners by obtaining an overall pass in both the following components:

1. the assessment work for core course 1, core course 2, options 1 and 2 (combined)
2. the dissertation

The two core modules each contribute 20% of the overall assessment, the options each contribute 10% and the dissertation 40%. The pass mark for all modules is 40%.

23.5 *Course Director:* Dr Caitriona Leahy

24. Creative Writing (M.Phil.)

24.1 *Introduction:* This course, the first Masters programme in creative writing in an Irish university, was offered by the School of English for the first time in 1997-98. It is based in the Oscar Wilde Centre for Irish Writing, 21 Westland Row, the birthplace of Oscar Wilde.

24.2 *Outline Description:* The M.Phil. in Creative Writing is designed as a one year, full-time course intended for students who are seriously committed to writing, are practising, or prospective authors, and who wish to develop their writing within the framework of a university course and in the context of an Irish literary milieu. It involves the close and critical examination of the student's work in group workshops and under guided personal tuition, with the study also of the professional techniques of book editing and publishing, and the opportunity to explore the cultural and literary contexts of writing in Ireland.

24.3 *Admission Requirements:* Applicants, who are expected to have a university degree or equivalent qualification, are selected on the basis of a submitted portfolio of selected recent creative work. Because of the close personal attention to the individual students required, places on the course are restricted to 14.

24.4 *Course Structure:* Students are required to take workshops, attend courses of lectures, and take one special subject or specialist writing workshop, while continuing to develop their own individual work throughout the year.

24.5 *Assessment:* Students are required to present for assessment:

- (i) a portfolio of completed written work (15,000 words, or its equivalent in poetry or drama)
- (ii) an essay on book publishing and editing
- (iii) a portfolio of work from the specialist workshop (or specialist option).

24.6 *Course Director:* Mr Gerald Dawe

Course Administrator: Ms Lilian Foley

25. Early Irish (M.Phil.)

(There is no intake in 2007/08)

25.1 *Introduction:* This two-year course is intended to take the student to a high level of competence in Old Irish, and covers a wide range of prose and verse texts, and various aspects of Early Irish language, literature and culture.

25.2 *Admission Requirements:* On completion of the Postgraduate Diploma course, candidates who have been awarded a grade of at least second class honors, grade two, will be permitted to proceed to the M.Phil. course. Students, who have otherwise acquired a competence in Old Irish on a

par with that acquired through participation in the Postgraduate Diploma course, may also be permitted to enrol for the M.Phil. course. Students will be admitted every second year.

25.3 *Duration:* The course will last for two academic years, beginning in October, and requires full-time study. The first year course will be that for the Postgraduate Diploma in Old Irish (see Entry 68 below). In the second year candidates will be assessed by a course paper, examination (in summer) and a dissertation of approximately 20,000 words.

25.4 *Course Structure:* The work of the first year will be that for the Postgraduate Diploma in Old Irish (see below). The second year course will extend over three terms, and the taught element will consist of five contact hours per week as follows:

1. Old Irish prose (two hours)
2. Old Irish Poetry (one hour)
3. A special course chosen from the following (one hour)
 - a) Comparative linguistics
 - b) Early Irish law
 - c) Middle Irish
4. Twice-monthly postgraduate seminar. Each student will be required to present a paper based on special course-work (3 above).
5. Twice-monthly guest lecture.

In addition a dissertation of around 20,000 words, which must be typed and presented in duplicate, is to be submitted by 30th September of the same year.

25.5 *Assessment:* Assessment is by a combination of examination, course paper and dissertation, as follows: three examination papers, 15% of the total marks each; paper, 5%; dissertation, 50%.

25.6 *Course Co-ordinator:* Professor Damian McManus

26. Ecumenical Studies (M.Phil. (Ecum.)/P.Grad.Dip.)

26.1 *Introduction:* The M.Phil. in Ecumenical Studies is designed to introduce and explore all three currents of the modern ecumenical movement. A plurality of religions and value systems share the one inhabited earth or *oikoumene*, often generating conflict and misunderstanding. From a perspective informed by Christian theology, Ecumenical Studies focuses on three key arenas of dialogue in order to promote a critical understanding of the relationships within and between traditions - dialogue within Christianity, with other religions, and with others committed to the study of ethical dimensions of political engagement.

26.2 *Course Structure/Content:* Students participate in five courses for assessment purposes, and submit essays in four of these. Students undertake three placements during their studies, and, in addition, there is an opportunity to pursue fieldwork during a Winter school in Northern Ireland. In this research-driven programme, students are also encouraged to participate in staff-led research seminars, in which there is ample opportunity to engage in a shared and critical pursuit of scholarship.

26.3 *Core Courses:* All students take the following three Core Courses of lectures and seminars.

World Christianity and Interreligious Dialogue

Provides the foundations for examining the dialogue of religions, focusing on the challenges of doing theology interculturally.

Authority, Tradition and Experience

Explores the notion of theological ecumenicity, attending in particular to the distinctive emphases of an ecumenical theology.

Ethics, Theology and Social Theory: Christian Ethics Between the Local and the Global
Explores the dynamic field of social and ecological ethics from diverse perspectives, with special attention to ecumenical thinking and engagement towards world peace, intercultural reconciliation and ethical globalisation.

26.4 *Elective Courses:* Students take a minimum of two of the following courses:

Islam and Muslim-Christian Relations

Focuses on the history of Islam and the present situation of Muslim-Christian relations, from a theological and socio-cultural point of view.

Identity, Truth and Power: Interpreting Ecumenical Ecclesiology

Reflects on how the shared pursuit of an ecumenical ecclesiology gives rise to hermeneutical difficulties for ecclesial being and identity, at both inter and intra ecclesial levels.

Conflict and the Politics of Peace in Ireland (plus Winter school based in Belfast)

Critically examines the history of economic and cultural division; the churches' political and cultural roles; Anglo-Irish relations since 1969 and the shifting prospects for a politics of peace. A week-long field trip to Northern Ireland is organised in support of this course and there will be an additional cost.

Judaism and Jewish-Christian Relations

Explores sources and themes that are both contested and held in common by Judaism and Christianity; and analyses the post-Shoah context - philosophical, imaginative and political - within which Christians and Jews relate to one another.

Ethical Globalisation: The Religions in Global Civil Society

Addresses the variety and complexity of the religions' roles in both promoting and resisting ethical globalisation, from theological and extra-theological perspectives.

Issues in Buddhist-Christian Dialogue

Introduces the history and problems of Christianity's encounter with Buddhism; the socio-intellectual context of early Buddhism; varieties of Buddhism; traditional and modern Buddhist societies.

Courses in International Peace Studies and in Reconciliation Studies are open to students on the Ecumenical Studies programme. Students seeking to be assessed for their work on a course in either of the two other programmes must first secure the permission of the relevant programme co-ordinators.

26.5 *Duration:* Taught M.Phil. - one-year (12 months), full-time; two-year (24 months), part-time. Teaching takes place in Dublin over two ten-week terms, October to December and January to March.

26.6 *Assessment:* The assessment will comprise four 5,000 - 6,000 word essays to be submitted by 1st May, and an 18,000 - 20,000 word dissertation, to be completed by 15th September. All students are registered on a common Masters programme and follow the same assessment procedures for the four required essays: students write an essay in each of the three Core Courses, and one essay for an Elective Course. A student who does not wish to submit a dissertation and so be considered for a degree of M.Phil. may instead opt to be considered for a Postgraduate Diploma in Ecumenical Studies by notifying the programme co-ordinator in writing before 1st April. Such students are required to submit essays by 1st May and to achieve a mark of 40% on each.

Students must achieve a mark of at least 50% in at least two of these essays and 40% in the other two in order to proceed to dissertation, and must receive a mark of at least 40% in that dissertation to be eligible for the degree of M.Phil. Those who achieve at least 40% on all four essays, but do not achieve 50% on at least two, may at the discretion of the Court of Examiners be recommended for the award of a Postgraduate Diploma in Ecumenical Studies without further

assessment. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

26.7 *Admission Requirements:* Applicants should normally have a second class honors degree or higher in Theology or Religious Studies or an equivalent degree in a cognate discipline. Students not meeting these criteria may exceptionally be considered at the discretion of the Dean of Graduate Studies. For further information please contact the Secretary, Ecumenical Studies Programme, Irish School of Ecumenics (Trinity College Dublin), Bea House, Milltown Park, Dublin 6, Ireland.

26.8 *Course Co-ordinator:* Dr Andrew Pierce

27. English Language Teaching (M.Phil./P.Grad.Dip.)

27.1 *Introduction:* This course, which shares modules with the M. Phil. in Applied Linguistics, is offered by the School of Linguistic, Speech and Communication Sciences. The course aims to introduce students to central concepts in applied linguistics and English language teaching. Through the dissertation component, the course goes on to introduce students to current research in the teaching of English to speakers of other languages.

27.2 *Admission Requirements:* Applicants are normally required to possess a good primary degree or equivalent qualification. Preference may be given to applicants with experience of teaching English. Previous knowledge of applied linguistics is not a requirement. Students whose first language is not English are required to take a four-week induction programme in September to prepare them for postgraduate study in Ireland. They are also provided with English language support during their course. All applicants are expected to show proficiency in at least one language other than their first language.

27.3 *Duration:* The course is taken full-time in one calendar year (October to September).

27.4 *Structure:* The course consists of six taught course modules and a dissertation, which includes an obligatory research methodology course. Four modules are mandatory and two are electives.

27.5 *Core courses:* The mandatory core courses are:

- a) Describing English grammar
- b) The pedagogical grammar of English
- c) Second language curriculum planning and implementation
- d) Language testing

27.6 *Elective courses:* The elective courses include:

- a) Technology, language and communication
- b) History and globalisation of English
- c) The English sound system
- d) Linguistic pragmatics
- e) Language variation and change
- f) Bilingualism and the maintenance of Irish
- g) Lexicology

Not all options may be available in any one year, depending on staff availability and timetabling. Other options may be introduced by the Course Committee at a later date.

27.7 *European Credit Transfer System (ECTS):* The M.Phil is the equivalent of 90 ECTS:
6 course modules at 10 ECTS = 60 ECTS
Dissertation at 30 ECTS = 30 ECTS
Total = 90 ECTS

The Postgraduate Diploma is the equivalent of 60 ECTS.

27.8 *Dissertation:* As well as following the above programme of study, students write a dissertation of not more than 15,000 words on a topic in English language teaching. The court of examiners may debar students from writing and submitting a dissertation (i) if they fail to submit a detailed plan and work schedule for their dissertation by the end of Hilary term or (ii) if they fail to achieve at least a II.2 grade in each of their assignments. In such a case students will be awarded a Postgraduate Diploma in English Language Teaching, provided that they satisfy the examiners in respect of their course work.

27.9 *Assessment:* Students are assessed on the basis of their performance in (i) six assignments of approximately 3-4,000 words each related to the course modules of the course and (ii) their dissertation. Assignments must be submitted the first Monday of the term following the term in which they are set; dissertations must be submitted not later than 30th September in the year in which the course is completed. Students are allowed to compensate for one fail mark amongst their six assignments provided that their average mark for all six assignments is at least 40%.

Students who for personal reasons decide not to write a dissertation, or who are debarred from doing so by the court of examiners, will be awarded a Postgraduate Diploma in English Language Teaching, provided that they satisfy the examiners in respect of their course-work. Any student who is awarded the Postgraduate Diploma automatically forfeits progression to the M.Phil. at any later stage.

27.10 *Course Co-ordinator:* Dr Jeffrey Kallen

28. Ethnic and Racial Studies (M.Phil.)

28.1 *Introduction:* This programme is offered by the Department of Sociology to provide specialist training in the field of ethnic and racial studies.

28.2 *Admission Requirements:* Students should have a good first degree (preferably upper second class honors) in one of the social sciences or a degree that includes social science as a component. However, consideration will also be given to applicants with other relevant academic qualifications, work experience, publications and positive academic references. The programme is particularly suitable for public and voluntary sector employees and has attracted a diverse international student body. All candidates are required to complete a statement of interest, which is taken into account as part of the admission process.

28.3 *Duration:* This full-time programme commences in October and lasts 12 months. It consists of two core courses taught over three terms, seven one-term courses and a dissertation.

28.4 *Course structure:* The programme has four components:

1. Core courses:
 - (a) 'Race' and ethnicity, theoretical concepts
 - (b) Researching 'race' and ethnicity.
 2. Seven one-term modules*:
 - (a) Migration and population movement
 - (b) Language, ethnicity and expressive culture
 - (c) Human rights and international issues
 - (d) Culture, colonialism and Irishness
 - (e) Gender and ethnicity
 - (f) Intercultural communication
 - (g) Ethnicity and social policy issues
- *Courses may change.
3. A 15,000 – 20,000 words dissertation on any approved topic relating to ethnic and racial issues.
 4. Seminars, lectures and occasional workshops are also offered during the academic year.

28.5 *Assessment:* The assessment is based on an essay or other written assignment for each of the course components and a dissertation. Depending on submitting all the required course-work, students may proceed to research and write a dissertation due at the end of September in the year following entry. It is necessary to obtain a pass mark in the dissertation to successfully complete the MPhil.

28.6 *Course Co-ordinator:* Dr Ronit Lentin and Dr Andrew Finlay

29. Film Theory and History (M.Phil.)

29.1 *Introduction:* M.Phil. in Film Theory and History is designed to equip students with a wide-ranging and sophisticated knowledge of film theory and history.

29.2 *Admission requirements:* Applicants should have a good honors degree of upper second class or above, or an equivalent qualification, in a cognate area.

29.3 *Duration:* The course lasts for one academic year from the beginning of October until the beginning of the following September and requires full-time study.

29.4 *Course Structure:* The course consists of 2 Core Courses, 2 Option Courses, and a dissertation. In addition to lectures/seminars, students are required to attend one 2-hour screening per course each week for each of Michaelmas and Hilary terms:

a) Research Methodologies Core Course (two hours weekly in each of Michaelmas and Hilary terms): facilitated discussion sessions designed to explore current theoretical approaches to the study of film, to encourage students to share research, and to develop oral presentation skills.

b) Film Theory and History Core Course (two hours weekly in each of Michaelmas and Hilary terms): Theories of Visual Culture/Theorising Film History and Historical Research and Archiving Methods.

c) Option Courses (two hours weekly; students take one option in Michaelmas term and one option in Hilary term): available options will be confirmed at the beginning of each academic year.

d) A dissertation of between 15,000 and 20,000 words on an approved aspect of the course to be supervised by an appropriate member of staff.

29.5 *Assessment:* Assessment is by a combination of coursework and dissertation. This is broken down as follows:

a) Research Methodologies Core Course: one 6,000 word essay (weighted at 20% of the final grade).

b) Film Theory and History Core Course: one 6,000 word essay (weighted at 20% of the final grade).

c) Option 1: one 4,000 word essay (weighted at 10% of the final grade).

d) Option 2: one 4,000 word essay (weighted at 10% of the final grade)

e) Dissertation: 15,000–20,000 words (weighted at 40% of the final grade).

Students may rewrite and resubmit a piece of course work which receives a fail mark. Students may carry no more than one fail mark in their coursework in order to pass the course as a whole. Students must pass the dissertation in order to pass the course as a whole. All components of the course must be completed by the beginning of September.

29.6 *Course Co-ordinator:* Dr Paula Quigley

30. Gender and Women's Studies (M.Phil./P.Grad.Dip.)

30.1 *Introduction:* This course is designed to provide a critical understanding of the current scholarship on the position and representation of women in society. Drawing on insights and

perspectives from a number of academic fields, the course is both interdisciplinary and multidisciplinary.

30.2 *Admission Requirements:* Candidates should normally have a good honors degree or an equivalent qualification.

30.3 *Duration:* The full-time M.Phil. course is a twelve month (October to September) programme. The full-time Postgraduate Diploma course is a nine month programme (October to June). The part-time M.Phil. course runs from October to June in year one and October to September in year two. The part-time Postgraduate Diploma course runs from October to June in both years. Students register on the M.Phil. in the first instance.

30.4 *Course Structure:* The programme of study has three components:

1. Core Courses:
 - a) Feminist Theories (Michaelmas and Hilary terms)
 - b) Feminist Research Methods
 - c) Research Methods.
2. Optional courses drawn from a range including the following: *
 - a) Creative Writing
 - b) Feminism and the Law
 - c) Feminist Literary Criticism
 - d) Feminist Theory and the Law
 - e) Gender and the Culture of Violence
 - f) Gender and Globalisation
 - g) Irish Feminism from 1860
 - h) Psychological Development of Girls and Women
 - i) Queer Theory
 - j) Readings on Masculinities
 - k) Women and the Family
 - l) Women Writing Women
 - m) Women, Work and Employment
 - n) Gender and Film
 - o) Gender and Visual Culture
 - p) Feminists, Flappers and Fascists: Women in Europe and the U.S. in the 1920s and 1930s.

* The range of courses available varies from year to year. Only courses offered in Michaelmas and Hilary terms can fulfil the optional course component requirement.

30.5 *Dissertation:* M.Phil. students are required to write a dissertation of a minimum of approximately 15,000-20,000 words on any approved topic relating to women or gender. The dissertation is due in September of the year of entry for full-time students and September of year two for part-time students. Postgraduate Diploma students are required to write a fifth essay which is due in June of the year of entry for full-time students and June of year two for part-time students.

30.6 *Assessment:* At the end of Hilary term, a decision will be taken, in consultation with each student, to determine the student's progression to the M.Phil. dissertation. The Executive Committee reserves the right to make the final decision. The award of M.Phil. depends on satisfactory completion of four course essays and the dissertation. The award of Postgraduate Diploma depends on the satisfactory completion of five course essays. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

30.7 *European Credit Transfer System (ECTS):*

Feminist Theories composed of two modules, one of 10 and one of 5 ECTS [5+10=15 ECTS]

Feminist Research Methods worth 10 ECTS

Research Methods worth 5 ECTS

6 optional courses each worth 5 ECTS (5+5+5+5+5+5=30 ECTS)
Dissertation worth 30 ECTS

30.8 *Course Co-ordinator:* Dr Maryann Valiulis

31. German Literature with Language Pedagogy (M.Phil./P.Grad.Dip.)

31.1 *Introduction:* The course is designed to train well-qualified graduates of German Studies in literary critical methodology and equip them for further research in German literature. As a preparation for a career in third-level teaching it also provides an introduction to language pedagogy.

31.2 *Admission Requirements:* Applications are normally accepted only from persons with a first or upper second class degree in German Studies or its equivalent.

31.3 *Duration:* The course lasts for one calendar year from October (full-time students) or two calendar years (part-time students).

31.4 *Course structure:* The course will consist of three elements: 1) core courses and options; 2) a theoretical course in the teaching of German language proficiency, Didaktik Deutsch als Fremdsprache; 3) a dissertation.

1. Core courses and options
 - a) Theory and Methodology (two hours weekly)
 - b) Praktikum Textarbeit (two hours fortnightly)
 - c) Option 1 (two hours weekly)
 - d) Option 2 (two hours weekly)

For details of options available in any given year see the Department of Germanic Studies Postgraduate Handbook.

2. Didaktik Deutsch als Fremdsprache I (two to three hours weekly).
3. A dissertation arising out of one of the subjects studied (excluding Didaktik Deutsch als Fremdsprache), is to be prepared over Trinity term and submitted by 30th September. The dissertation, which must be typed and presented in duplicate, must comprise approximately 25,000 words. Details of requirements for its format and binding will be provided.

31.5 *Assessment:* Assessment is by a combination of course papers, examination, and dissertation (including a *viva voce* examination), in the proportions: Dissertation 40%, Didaktik Deutsch als Fremdsprache 20%, Essay 1 15%, Essay 2 15%, Praktikum Textarbeit 10%. Students must complete the other course elements satisfactorily in order to proceed to the dissertation phase. Those who are not permitted to do so, or who fail to satisfy the examiners of the dissertation, may, at the discretion of the board of examiners, be awarded a Postgraduate Diploma in German Literature with Language Pedagogy. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

31.6 *Course Co-ordinator:* Dr Gilbert Carr

32. Irish Art History (M.Phil.)

32.1 *Introduction:* The course is intended to enable well-qualified graduates of art history and related disciplines to undertake an intensive course of study specialising in aspects of Irish art. While the art and architecture studied will be Irish, it will be explored in its international context, and students will be familiarised with methodologies of analysis which can be applied to art works from

any culture. A core dimension of the programme will involve interrogating the concept of 'Irishness'. A particular advantage of this course is the accessibility of a substantial range of relevant art objects and structures in, and in the vicinity of, Trinity College as well as extensive library and archival resources.

32.2 *Admission Requirements:* Candidates must hold a good honors degree, normally an upper second class honors or above, or equivalent. An undergraduate degree in art history is preferable, but not essential. However, applicants with degrees in subjects other than art history will be encouraged to attend introductory/undergraduate course lectures in addition to those specified for the M.Phil.

32.3 *Duration:* The course is for one year, on a full-time basis, commencing at the beginning of October, and concluding at the end of the following September.

32.4 *Course Structure:* The M.Phil. in Irish Art History comprises a taught component and a dissertation.

The content encompasses eight key components: general survey of developments in Irish art; detailed study of selected periods of excellence; engagement with themes and issues of debate; analysis of approaches and methodologies of research; introduction to a range of repositories of primary and secondary research material; exposure to current research interests of staff, guest specialists, and of other postgraduate students; familiarity with a range of works of art and architecture through direct exposure and through slides, digital images and illustrated texts; and experience of personal research on a subject chosen by the student.

The taught component comprises five parts:

1. Irish Art and its Contexts (one 1-hour lecture per week)
2. Themes and Issues in Irish Art (one 2-hour seminar per week)
3. Postgraduate Research and Methodology Seminar Course (one 2-hour seminar per week)
4. Special Subject (one 2-hour seminar per week)
Students select one course from a list of options. These typically include:
Golden Age of Irish Art, 650 – 950 AD
Irish Modern and Contemporary Art
Realism in Britain and France 1840 – 1900
5. Field trips

There will be a series of field trips to visit relevant locations such as sites, monuments and buildings of special interest/relevance, exhibitions, collections, artists' studios/facilities, and so on. These will be scheduled according to availability at the time.

32.5 *Assessment:* Students will be assessed on the successful completion of
(i) Coursework: obligatory course assignments including essays, critiques, presentations and research exercises. Details will be provided to registered students at the beginning of the course.

(ii) Dissertation of 20,000 words (maximum) on a subject relevant to the programme, to be submitted by 1st October in the year after commencement of the course.

32.6 *European Credit Transfer System (ECTS):*

Irish Art and its contexts worth 10 ECTS

Themes and Issues in Art History worth 15 ECTS

Research Training with 2 modules, one of 5 and one of 10 ECTS (5+10=15 ECTS)

Special subject worth 20 ECTS

Dissertation worth 30 ECTS

To be awarded the M.Phil., students must have achieved an overall satisfactory result in each part of the assessment, i.e. in the coursework component and in the dissertation. No compensation is permitted between the coursework and the dissertation parts of the assessment.

32.7 *Course Co-ordinator:* Dr Yvonne Scott

33. Linguistics (M.Phil./P.Grad.Dip.)

33.1 *Introduction:* This course, which shares some elements in common with the M.Phil. in Applied Linguistics, is offered by the School of Linguistic, Speech and Communication Sciences.

33.2 *Aims:* The aims of the course are:

- (a) to introduce students to central concepts in linguistics
- (b) to proceed from this basis to more advanced study of central topics in linguistics
- (c) via the dissertation component, to introduce students to research in linguistics.

33.3 *Admission Requirements:* Applicants are normally required to possess a good primary degree or equivalent qualification. Previous knowledge of linguistics is not a requirement.

33.4 *Duration:* The course is taken full-time in one calendar year (October to September) or part-time in two calendar years. Only the part-time option is available to students who require to remain in employment while taking the course.

33.5 *Structure:* The course consist of consisting of six taught course modules, together with a research methodology course and a dissertation. The taught course modules are made up of four mandatory core courses and two elective option courses.

33.6 *Core courses:* The core courses are:

- a) Describing Grammar
- b) Linguistic Meaning
- c) Describing the sounds of languages
- d) Laboratory phonetics and phonology

33.7 *Elective courses:* The elective courses include:

- a) Language variation and change
- b) Linguistic pragmatics
- c) Corpus linguistics
- d) Advanced syntactic theory
- e) Technology, language and communication
- f) Bilingualism and the maintenance of Irish
- g) History and globalisation of English

Not all options may be available in any one year, depending on staff availability and timetabling. Other options may be introduced by the Course Committee at a later date.

33.8 *European Credit Transfer System (ECTS):* The M.Phil. is the equivalent of 90 ECTS:

6 course modules at 10 ECTS	=	60 ECTS
Dissertation at 30 ECTS	=	30 ECTS
Total	=	90 ECTS

The Postgraduate Diploma is the equivalent of 60 ECTS.

33.9 *Dissertation:* As well as following the above programme of study, students write a dissertation of not more than 15,000 words on a topic in either language processing or speech science. The grounds on which the court of examiners may debar students from writing and submitting a dissertation are set out in the course handbook.

33.10 *Assessment:* Students are assessed on the basis of their performance in (i) six assignments of approximately 3-4000 words each related to the course modules of the course and (ii) their dissertation. Assignments must be submitted not later than the first Monday of the term following the term in which they are set; dissertations must be submitted not later than 30th September in the year in which the course is completed. Students whose dissertation fails to satisfy the examiners may, on the recommendation of the court of examiners and on payment of the prescribed fee, be allowed to

register for a further year and revise their dissertation. Students who for personal reasons decide not to write a dissertation, or who are debarred from doing so by the court of examiners, will be awarded a Postgraduate Diploma in Linguistics, provided that they satisfy the examiners in respect of their course-work. Any student who is awarded the Postgraduate Diploma automatically forfeits progression to the M.Phil. at any later stage.

33.11 *Course Co-ordinator:* Dr Jeffrey Kallen

34. Literary Translation (M.Phil.)

34.1 *Introduction:* This course is intended for well qualified graduates of Modern Languages and mature students with experience as translators.

34.2 *Aims:* A graduate of the course will be qualified to work as a literary translator and to undertake cultural, academic or philosophical translation as well as literary translation and will be well equipped for employment in any area demanding a high level of intercultural awareness, as well as having excellent writing and analytical skills. The object of the course is to form professionals who will have learned to work in an ethos of mutual intellectual and linguistic exchange.

The M.Phil. combines a core, which addresses theoretical, linguistic and practical issues common to all or most translation situations, with specialised options which are specific to countries, languages and periods, as in the structure detailed below.

34.3 *Course Structure:* The course is a one-year, full-time course. The need for a cohesive plan and a unified cohort is balanced against the need to provide specialised support for a broad range of languages. This can be done by providing an emphasis on general issues early in the year, and allowing more specialisation as students move to assemble a portfolio of translations and begin work on their dissertations, towards the end of Hilary term.

Courses taken by all students:

1. Introduction to translation theory and history and an introduction to cultural theory (2 hours for two terms), shared with other M.Phil. courses in the Faculty, and drawing on expertise from a variety of Disciplines.

2. Texts/translation workshop (2 weekly hours for two terms), taught by various hands and in the second term by a professional translator (or translator in residence). Typically the lecturer introduces a text and then leads a discussion about the problems and issues encountered in translating it.

3. Student seminar, in which students will present examples of their own work (1 or 2 weekly hours for two terms). This exercise is designed to help with the choice of the subjects of dissertations, and to develop skills in the target language. (At present the assumption is that the target language would be English.)

Options: Up to 4 hours weekly over two terms will be spent in optional courses which will be selected from a number of one-term and two-term options. A student might apply to take a language module or engage in language study instead of one option. This is at the discretion of Heads of Departments.

In order to facilitate potential exchange or independent travel abroad, no classes are scheduled for Trinity Term. Students are expected to remain in email touch with their dissertation Supervisors.

34.4 *Admission:* Applicants should hold a good honors degree in at least one language, or a degree plus proven language competence, or experience at a suitable level as a translator.

34.5 *Assessment procedures:* Options: by essays (1 per 1-term option, 2 for a year long option).

Translation workshop and student seminar: by portfolio of translations.

Theory and history of translation and Cultural Theory courses: by essays.

Language study (if taken instead of options) assessed by Departments.

A dissertation will be written in the second half of the year.

The portfolio will consist of a limited number of literary texts which the student has translated. The translations will be originally drafted as contributions to the student seminar, and later revised in consultation with a specialist in the relevant language, involving individual meetings twice or three times during Hilary term, and backed up by the occasional email contact.

The dissertation may be either an annotated translation or an academic treatment of a subject in translation studies or comparative literature. Length: about 20,000 words.

Weighting of elements: 30% each for the portfolio and dissertation, 20% each for a theoretical/ historical/cultural studies essay or the options essays (spread over 2 terms).

In order to pass, students must achieve a mark of at least 40% on their portfolio of translations. Students may rewrite and resubmit a piece of course work (OTHER THAN the portfolio of translations) which receives a fail mark. Students may carry no more than one fail mark in their course work in order to pass the course as a whole. Students must pass the dissertation to pass the course as a whole. Students whose dissertation fails to satisfy the examiners may, on payment of the prescribed fee, be allowed to register for a further year to revise or complete their dissertation.

34.6 *Course Co-ordinator:* Dr Susana Bayó Belenguer

35. Literatures of the Americas (M.Phil.)

35.1 *Introduction:* In this course students engage in an advanced and detailed way with the literatures of the Americas. The course stimulates fresh analyses of a wide range of literatures in English and in translation into English, by canonical, mainstream, avant-garde and marginal writers, and opens up research opportunities in this dynamic field. Students interact with literatures in various genres and from different historical periods in their development of a complex sense of the literatures of the Americas, and the course promotes inter-disciplinarity as a key feature of its pedagogical approach. While the degree is complete in itself, it also lays the foundations for doctoral research in Postcolonial and American literary studies.

35.2 *Admission Requirements:* II.1 Honours BA degree or the equivalent, in English and/or American Studies or a cognate discipline. Candidates must submit a sample of their critical writing as part of their application (max. 5,000 words).

35.3 *Duration:* The course lasts for one calendar year from the beginning of October and requires full-time study.

35.4 *Course Structure:* The course comprises three elements: (1) 2 core modules, "Theorizing the Americas" and "Thematizing the Americas," which are taught in two 2-hour seminars in Michaelmas and Hilary terms respectively; (2) two 1-term option courses which meet for one 2-hour seminar each week in Michaelmas / Hilary terms; (3) the School of English Research Methods course, which is taught in one 2-hour seminar through Michaelmas and Hilary terms. The following options are available in 2007-08: The Western; Recent American Poetries; Creole Literatures; Diasporic Voices; Reading Classic American Literature.

35.5 *ECTS:* The total ECTS for the course is 90:

2 core modules at 30 ECTS each	=	30 ECTS
2 option modules at 15 ECTS each	=	30 ECTS
Research Methods course at 5 ECTS	=	5 ECTS
Dissertation at 25 ECTS	=	25 ECTS
Total	=	90 ECTS

35.6 *Assessment:* Students submit 2 essays of between 6,000 and 8,000 words each for the core course, and 1 essay of the same length for each option taken. They also submit a supervised dissertation of up to 20,000 words. Students must complete and pass all assessment elements to pass the course (the pass mark is 40%). The 4 essays taken together count for 60% of the final mark and

the dissertation counts for 40%. Failed work may be resubmitted with the approval of the Course Committee.

35.7 *Course Director:* Dr Philip Coleman

36. Medieval History (M.Phil.)

36.1 *Introduction:* The course is intended to introduce graduates with a broadly-based degree in history or a similar discipline to the methods of specialised research on a medieval topic. The course is designed to be complete in itself, but it also provides the training for more advanced research.

36.2 *Admission Requirements:* Applications are normally accepted only from persons with a good honors degree in history or a cognate subject, such as art history, archaeology, classics (including ancient history), social anthropology, etc.

36.3 *Duration:* The course lasts for one calendar year from October, and requires full-time study. Candidates are assessed by a combination of course papers and a dissertation.

36.4 *Course Structure:* The course will consist of the following three elements:

1. Taught courses, amounting to a minimum of four hours a week and extending over three lecture terms, in:
 - a) Medieval Latin
 - b) Palaeography and Diplomatics
 - c) Research Methods
 - d) Directed Reading in consultation with the dissertation supervisor, which will include the writing of three essays.
2. Participation in a weekly two-hour postgraduate research seminar, including the presentation and defence of one research paper in each term.
3. A dissertation arising out of the selected study area, for which the preparation is to begin in Hilary Term. The dissertation, which must be typed and presented in duplicate, should comprise approximately 20,000 words, and must be admitted by 30th September. Details of the requirements for the format and binding of dissertations will be provided.

36.5 *European Credit Transfer System (ECTS):*

Medieval Latin worth 15 ECTS
Palaeography and Diplomatics worth 15 ECTS
Research Methods worth 5 ECTS
Directed Reading worth 15 ECTS
Research Seminar worth 10 ECTS
Dissertation (up to 20,000 words) worth 30 ECTS

36.6 *Course Co-ordinator:* Professor Terry Barry

37. Medieval Language, Literature and Culture (M.Phil.)

37.1 *Introduction:* This course is designed for well-qualified graduates in related disciplines who wish to extend their interest in Medieval studies. The course seeks to equip students with the essential technical tools (palaeography, codicology etc.) for interrogating primary Medieval documents, and to further their knowledge of the complexities of Medieval culture. The flexible structure of this interdisciplinary course provides students with considerable freedom in the construction of their degree. By the end of the course, students should have:

1. a broad awareness of some of the more significant issues relating to Medieval culture;
2. a specialised knowledge of three areas of Medieval studies;
3. enhanced linguistic awareness of a language (if a language is chosen for study);
4. an ability to understand and analyse a varied range of Medieval documents and texts;

5. an ability to locate, assemble and assess critically a range of scholarly material;
6. an ability to present written research in an appropriate scholarly manner.

37.2 *Admission Requirements:* To be eligible for admission, students should hold an honors degree, preferably at least an upper second class honors, or its equivalent, in one of the subjects on which the course concentrates.

37.3 *Duration:* The course lasts for one year from October until the end of the following September and requires full-time study.

37.4 *Course Structure:* The course consists of five modules taught during Michaelmas, Hilary and Trinity Terms, and a research project. Three of the five modules are core courses, and these are taught in Michaelmas Term*. The remaining two modules are options selected by the student and taught in the Hilary and/or the Trinity Term**. The taught modules are therefore organised as follows:

1. Michaelmas term: three core courses each of 18 hours duration* (six hours per week)
2. Hilary Term: two options or one option each of 18 hours duration** (either four or two hours per week)
3. Trinity Term: one option if only one taken in Hilary Term (three or zero hours per week); preparation of dissertation.

*Exception: some of the language core courses comprise more than 18 hours and, in the case of Old Irish, will run over the full three terms, *i.e.* for the full academic year.

**Exception: all of the options offered in Irish run for 24 hours over the full three terms, *i.e.* for the full academic year.

The following subjects are offered:

a) core courses: Research Methodology (obligatory), Medieval Thought, Medieval Culture and Society, a language: Medieval Latin; elementary Classical Latin; Italian; Old English; Middle English; Middle High German; Old Irish. Each department has its own particular course requirements which must be fulfilled before a student may study a language.

b) options: Chaucer: *Troilus and Criseyde*; *Sir Gawain and the Green Knight*; Medieval Drama; Language and Genre; Varieties of Comedy; Dante, Boccaccio, et alia; Old Irish Poetry; Comparative Linguistics from the Celtic Point of View; Early Irish Law; Middle Irish; Music in European Monasteries, Cathedrals and Courts; Music and Liturgy in Medieval Irish Church; Medieval Outlaws; Late Medieval French Poetry; the old French 'récit bref'; Old English Prose – the Assimilation and Exaltation of the Vernacular; Beowulf; Arthurian Heroes; Medieval Perceptions of Islam; Medieval Philosophy; Vergil in the Middle Ages; Text and Image; Art and Society in France in the 15th century.

The range of options available varies from year to year.

37.5 *Assessment procedures:* Coursework will be assessed in the following manner:

- a) Core courses (25% of total assessment):
 - Research Methodology: written project on an aspect of research methodology to be submitted on the first Monday of Hilary Term.
 - Medieval Thought: essay of 3,000-5,000 words to be submitted on the first Monday of Hilary Term.
 - Medieval Culture and Society: essay of 3,000-5,000 words to be submitted on the first Monday of Hilary Term.
 - Language: assessment by examination at the end of Michaelmas Term (10%).

Students will be permitted to pass by compensation if they obtain a marginal fail mark (48%) in one core-course assignment but receive a pass mark in the two other core-course assignments. In the event of a student failing two core-courses, the following will apply:

- 1) Students who fail in language will be allowed to re-present for an examination at the beginning of Hilary Term.

2) Students who fail in any of the other core-courses will be allowed to revise and re-submit the work within a calendar month of receiving their fail mark.

Failure to meet the required standard even after re-sitting examinations and/or re-submitting work will mean that the student cannot proceed to the dissertation, and shall be deemed to have failed the M.Phil.

b) Options (35% of total assessment):

One essay of 5,000 words per option. For options taken in Hilary Term, the essay must be submitted on the second Monday of Hilary Term. For an option taken in Trinity Term, the essay must be submitted on the Monday of the fourth week following the end of the course.

Students may not compensate between elements within this assessment category, nor may they compensate between core-course assessment and option assessment.

A 15,000-20,000 word dissertation for examination by internal and external examiners must be submitted by 30th September. This counts for 40% of the total assessment. Candidates must achieve a pass in this aspect of the course and no compensation will be permitted between the research dissertation and in-course assessment.

37.6 *Course Co-ordinator:* Professor Eiléan Ní Chuilleanáin

38. Modern Irish History (M.Phil./P.Grad.Dip.)

38.1 *Introduction:* The course is intended as an introduction for well-qualified Humanities or Social Sciences graduates to research in Modern Irish History. The emphasis in the M. Phil. in Modern Irish History will be on the study of problems, issues and epochs in a broadly comparative context, rather than treating Irish history as somehow 'exceptional'. As well as taking subject specific modules in various aspects of the political, military, social, economic, religious and cultural history of modern Ireland, students will be exposed to a rigorous research training programme. Drawing on the current interests of the staff, it will be based on the rich resources of Trinity College Dublin's library and of the adjacent Dublin libraries (the National Library of Ireland, the National Archives and Marsh's Library). The course may also serve as an introduction to graduate research for students wishing to go on to pursue a doctorate in Modern Irish History.

38.2 *Admission Requirements:* Applications are normally accepted only from persons with a first or upper second class degree in an appropriate Arts or social sciences discipline, e.g. history, philosophy, language studies, literature, political science, or European studies.

38.3 *Duration:* The course lasts for one calendar year from the beginning of October, and requires full-time study. Students are expected to attend all taught components of the course.

38.4 *Structure of the Programme:* The course work will consist of four elements:

1. Two major subjects of study
2. Research Training
3. Dissertation (up to 15,000 words)
4. Research Seminars

1. Two major subjects of study: Will be taught by means of a weekly two-hour seminar. These major subjects include:*

- a) Kingdom and Colony in sixteenth-century Ireland, 1500-1607
- b) War and Society in early modern Ireland
- c) Big house and hidden Ireland: representation and reality in rural Ireland 1650-1840
- d) Ireland in crisis, 1791-1803
- e) The Famine and Beyond
- f) Emigration and the Irish Overseas
- g) Issues in Anglo-Irish relations, 1920-1973
- h) Violence and Politics in twentieth century Ireland

* The range of courses available varies from year to year.

2. Research Training courses: Core courses (all are compulsory):
 - a) Libraries and Archives
 - b) Approaches to Historical Research
 - c) Research Methods

Optional courses: The student must complete one of three optional courses in the Michaelmas Term:

- a) Palaeography
- b) Encompassing Modern Irish History: Pathways through the Literature

3. Dissertation: Students seeking the M. Phil. will be required to submit a dissertation of 15,000-20,000 words based on primary sources (see the handbook for detailed requirements for the dissertation).

4. Research Seminars: Attendance at two of the departmental research seminars is required. This is a pass/fail course assessed on the basis of research seminars in Michaelmas, Hilary and Trinity Terms, and preparation of a weekly seminar journal.

38.5 *European Credit Transfer System (ECTS):*

- a) Two major subjects of study with each module worth 10 ECTS [2x10 = 20 ECTS]
- b) Research Training with two modules of 5 ECTS and two of 10 ECTS [5+5+10+10 = 30 ECTS]
- c) Dissertation (up to 15,000 words) worth 30 ECTS
- d) Research Seminars worth 5 ECTS each (5+5=10 ECTS)

The M.Phil. is the equivalent of 90 ECTS and the Postgraduate Diploma the equivalent of 60 ECTS.

38.6 *Assessments:* Candidates are assessed on the completion of: (i) Obligatory course work assignments; and (ii) Dissertation (between 15,000-20,000 words). This will be assessed by the Supervisor and the external examiner.

Students who complete all mandatory course work and other requirements including presentations, and who obtain an aggregate mark of 50% or higher, will be permitted to proceed to the dissertation stage for assessment for the award of the M. Phil. in Modern Irish History.

Students who complete all requisite course work and other requirements, and who obtain an aggregate mark of 50% or higher, who elect not to proceed to the dissertation stage, will be recommended for the award of the Postgraduate Diploma in Modern Irish History.

Students who complete all requisite course work and other requirements, and who obtain an aggregate mark of between 40% and 49%, will not be permitted to proceed to the dissertation stage but will be recommended for the award of the Postgraduate Diploma in Modern Irish History.

Students who receive a mark of less than 40% in any one assessed course will not be permitted to proceed to the dissertation stage but, subject to securing an aggregate mark of 40% or higher, will be recommended for the award of the Postgraduate Diploma in Modern Irish History.

Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

38.7 *Course Co-ordinator:* Professor Eunan O'Halpin

39. Music and Media Technologies (P.Grad.Dip./M.Phil.)

39.1 *Introduction:* This course provides an exposure to a broad spectrum of music technology related subjects ranging from computer music and multimedia, through to audio engineering and production. The primary objective of the course is to encourage creative musical and audio activities through the medium of digital technologies.

39.2 *Admission Requirements:* This course is open to holders of good honors degrees (preferably, but not necessarily) in music, engineering, or science, who also have suitable music qualifications (to be assessed at an entrance test). Consideration will also be given to mature students with relevant industrial experience. However, irrespective of entry qualifications, progression to the second Masters year requires an upper second class honors standard or higher in the Postgraduate Diploma examinations.

39.3 *Duration:* P.Grad.Dip: one academic year, full-time. M.Phil: two academic years, full-time, following successful attainment of appropriate standard in the Postgraduate Diploma course examinations. Students register on the Postgraduate Diploma in the first instance.

Only students who successfully complete the Postgraduate Diploma year and do not proceed to the second year of studies for a M.Phil. are awarded the Postgraduate Diploma.

39.4 *Course Structure:* The courses to be undertaken are structured in two semesters per year.

Postgraduate Diploma Course:

1st Semester:

Composition using MIDI 1
Psychoacoustics 1
Introduction to Sound Engineering and Production 1
Survey of Electro-Acoustic Music 1
Intro to DSP and Synthesis
Principles of Programming
Media Technologies
Music and Image Technologies
Media Theory
Maths Primer**
Aural Training **
Music Theory **

2nd Semester:

Composition using MIDI 2
Psychoacoustics 2
Introduction to Sound Engineering and Production 2
Survey of Electro-Acoustic Music 2
Csound and Synthesis
Aural Training
Music and Image Production*
Audio Production Technologies*
Composition*
DSP*
Max*
Interactive Design*
Music Theory**

* Course is not compulsory. Six courses of this status are offered in the second semester. The student must choose three of them.

** Students demonstrating sufficient proficiency may be exempted from some Aural Training and Music Theory Modules.

Masters Course

1st Semester:

Composition for Mixed Media*
Electroacoustic Composition*
Algorithmic Composition*
Music Cognition and Design*
Real-Time Interactive Music*

DSP 2*
Advanced Audio Production*
Music and Image*
Aural Training
Music Theory**

Students must take five of the courses offered in the first semester.

2nd Semester:
Project (the assignment of a Supervisor is based on topic).

Optional subjects require a minimum number of students and may not be offered if this minimum is not met. Compulsory and optional subjects may vary from year to year and according to availability.

39.5 *Course Descriptions:*

Postgraduate Diploma

- Composition using MIDI 1 and 2

A comprehensive introduction to the use of MIDI in composition. Covers topics such as sequencing, sound-realisation, software notation, sampling and more advanced use of MIDI as a control device. Much practical work in various musical styles, including popular music, is assigned.

- Survey of Electro-Acoustic Music 1 and 2

An historical overview of electronic music since its beginnings at the start of the century to the present time. Involves moderate analysis of the landmark works, particularly in the experimental realm.

- Introduction to Sound Engineering and Production 1 and 2

Provides a detailed, hands-on introduction to studio equipment and operation - from microphone through mixing desk and effects to CD production.

- Psychoacoustics 1 and 2

Explorations in auditory perception. Examines the contributions of physics, physiology, and psychology to musical perception. Topics include loudness, pitch, timbre, tuning, room acoustics, the ear and hearing, and auditory grouping.

- Maths/Programming for DSP and Synthesis

Introduction to the mathematical concepts underpinning the representation of musical signals. An introduction to the mathematical concepts relating to signal processing and synthesis techniques is provided. Relevant programming concepts and techniques are introduced using Common Lisp Music (CLM) and/or Csound.

- Media Technologies

Introduction to the technologies which underlie audio recording and processing. Topics include: Analogue signal processing; Magnetic recording; Digital audio principles; File formats; Compression and storage.

- Music and Image Technologies

Multimedia systems theory including video signals, digital video, colour, video file formats, and storage systems. Camera technology and operation. Sound and image composition. Introduction to Premiere.

- Media Theory

This course examines the history and aesthetics of Music and Image combination from early film through to contemporary multimedia installations.

- Music and Image Production

Multimedia systems theory including camera technique and interface, compression, codecs, editing, and synchronisation. Project work is undertaken using advanced Premiere and After Effects.

- Audio Production Technologies

Examination of the technological considerations involved in microphone and loudspeaker system design, operation and use, stereo recording formats (coincident, spaced, quasi-coincident, MS, layered, spot). Surround sound formats (film surround, quadraphonics, ambisonics, Dolby formats).

- Digital Signal Processing

Digital signal processing (DSP) theory and application using Matlab programming. An examination of DSP concepts as they apply in the domains of digital synthesis and audio processing with particular reference to digital filtering and its applications in both synthesis and digital audio effects.

- Algorithmic Composition

Using the Lisp-based family of languages that come from Stanford - Common Music and Common Lisp Music – and on Csound, this concentrates on algorithmic control of musical processes and software sound synthesis. Students are shown how to define their own synthetic instruments and then produce score information for these.

- Interactive Systems for Music

An introduction to manipulation of sound for music, sound design, or sound installation production using Max, CLM, ProTools, and Csound DSP engines.

Masters Course

- Real-time Interactive Systems

Concentrating mainly on the software environment, MAX, this course concerns itself with the interaction between live performers (musicians, dancers, etc.) and computer-generated sound using MIDI as a control. It also investigates multimedia ramifications.

- Electroacoustic Composition

Pastiche and original composition are both treated. Many technical issues concerning the performance and production of music involving some degree of technology will be considered.

- Composition for Mixed Media

Explorations in composition for instruments and electronics. Attention is given to concepts, timbre, and timing structures with reference to applications in Drama, Dance and Film/Animation.

- Music Cognition and Design

Music theory and music cognition: Gestalt School studies of music; Heinrich Schenker; Leonard Meyer; Lerdaahl and Jackendoff; Eugene Narmour. Hierarchy in music. Music, mind and meaning. Patterns, auditory scene analysis, and grouping principles. Scientific method and musical effect. Mind, brain and music. Phenomenology. Approaches to musical understanding.

- DSP

Both mathematical and implementation issues relating to DSP for audio applications will be examined. This will involve exposure to both software and hardware concerns in the implementation of audio processing. Particular emphasis is given to both algorithm development and to assembly language programming of general purpose DSP devices.

- Digital Synthesis and Sound Design

An exploration of digital synthesis techniques as applied in musical composition or in audio-visual production involving both software development and use of dedicated hardware synthesis platforms.

- Advanced Audio Production

This course addresses more specialised audio production techniques for a variety of musical applications - audio-visual, multimedia, and networked collaboration. Project work requires production of audio-visual material.

Project

This may be a dissertation, a musical composition, or a technological assignment with a significant research component.

39.6 *Course Director:* Ms Fionnuala Conway

40. Peace Studies (M.Phil. (Peace Studies)/P.Grad.Dip.)

40.1 *Introduction:* Peace Studies examines the sources of war and armed conflict and suggests methods of preventing and resolving them through processes of peacemaking and peacebuilding. The programme combines perspectives from international relations, ethics and conflict resolution to reflect critically upon the wide range of social, political and economic issues associated with peace and political violence. Students can pursue either a broad-ranging programme in Peace Studies or specialisations in Ethics in International Affairs or Peacebuilding and Development.

40.2 *Course Structure/Content:* Students must take Politics of Peace and Conflict, and at least one from Politics and Development, International Politics, Ethics in International Affairs, Conflict Resolution and Non-Violence.

Courses

The Politics of Peace and Conflict:

Theories of peace; the ethics of peace and war; culture, conflict and peace; peace building and conflict prevention; the role and effectiveness of peace movements.

The Politics of Development:

The evolution of development theory; gender and development; the impact of militarism on developing countries; the debt crisis; sustainable development; development ethics.

International Politics:

An overview of the major theoretical approaches to international affairs, and of the critiques advanced against them; the concept of security as the focus of peace research; understanding concrete security problems; the role of non-state actors; global civil society.

Ethics in International Affairs:

An analysis of the diverse and intricate nature of ethical conflicts as they arise in the international context; historical injustices and the ethics of restitution; atrocities and the ethics of accountability; the ethics of humanitarian interventions; just war reasoning and the 'war on terror'; globalisation and the ethical imperative; media ethics.

Conflict Resolution and Non-Violence:

Theories of non-violence; non-violence and political action; official and unofficial mediation processes; culture and conflict resolution.

The Politics of the Idea of Europe:

The "European Civil War" 1914-45; Europe divided; state socialism; the EU ideas, institutions and enlargement; the limits of the idea of Europe.

Conflict and the Politics of Peace in Ireland:

Critically examines the history of economic and cultural division; the churches' political and cultural roles; Anglo-Irish relations since 1969 and the shifting prospects for a politics of peace. A week-long field trip to Northern Ireland is organised in support of this course and there will be an additional cost.

The United Nations and Peacekeeping:

The evolution of the UN organisation and institutions; specialised agencies and functions; the role of UN peacekeeping in international conflict.

Human Rights in Theory and Practice:

The theoretical and practical contexts in which the discourse and politics of human rights is situated; the relationship between democracy and human rights; the significance of national sovereignty; the development of international human rights law; an examination of human rights atrocities, the culture of impunity in which they seem to flourish and the recent initiatives designed to construct a system of accountability.

Gender, Conflict and Social Change:

Gender as biological or as socially constructed, masculinity; analysis of war and peace through gendered lenses; religion and the gender order; challenging the gender order.

Mediation Summer School:

There is a Mediation Summer School, which runs for one week in Dublin that provides an opportunity to develop practical skills in the area of conflict resolution and mediation.

Courses in Ecumenical Studies and in Reconciliation Studies are open to students on the International Peace Studies programme. Students seeking to be assessed for their work on a course in either of the two other programmes must first secure the permission of the relevant programme co-ordinators.

40.3 *Duration:* Taught M.Phil. – one-year (12 months), full-time; two-year (24 months), part-time. Teaching takes place in Dublin over two ten-week terms, October to December and January to March.

40.4 *Assessment:* Five courses must be taken. Students are assessed on the Politics of Peace and Conflict and on three others, at least one of which must be either International Politics, Ethics in International Affairs, Politics of Development, or Conflict Resolution and Non-violence. The assessment consists of four 5,000-6,000 word essays to be completed by 1st May, and an 18,000-20,000 word dissertation to be completed by 15th September. All students are registered on a common Masters programme and follow the same assessment procedures for the four required essays. A student who does not wish to submit a dissertation and so be considered for the degree of M.Phil. may instead opt to be considered for a Postgraduate Diploma in Peace Studies, by notifying the programme co-ordinator in writing before 1st April. Such students are required to submit essays by 1st May, and to achieve a mark of 40% on each.

Students must achieve a mark of at least 50% in at least two of these essays and 40% in the other two in order to proceed to dissertation, and must receive a mark of at least 40% in that dissertation to be eligible for the degree of M.Phil. Those who achieve at least 40% on all four essays, but do not achieve 50% on at least two, may at the discretion of the Court of Examiners be recommended for the award of a Postgraduate Diploma in Peace Studies without further assessment.

Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

40.5 *Admission Requirements:* Applicants should normally have a second class honors degree or above. Students not meeting these criteria may exceptionally be considered at the discretion of the Dean of Graduate Studies. For further information please contact the Secretary, Peace Studies Programme, Irish School of Ecumenics (Trinity College Dublin), Bea House, Milltown Park, Dublin 6, Ireland.

40.6 *Course Co-ordinator:* Dr Iain Attack

41. Popular Literature (M.Phil.)

41.1 *Introduction:* This course offers an opportunity for the advanced study of popular literature and its place within modern culture. It will trace the history of such genres as horror, science fiction, romance and detective fiction, and offer a comprehensive introduction to contemporary theories of the popular. Participants will also choose from a range of specialist options on particular aspects of the popular, and study research methods. This M.Phil. will provide an invaluable base for those who wish to do further graduate study, but will also appeal to those who wish to develop their critical skills and knowledge in relation to an important aspect of contemporary culture.

41.2 *Admission requirements:* Applicants should have a good honors degree (preferably an upper second class or above) or an equivalent qualification.

41.3 *Duration:* The course lasts for one calendar year from the beginning of October and requires full-time study.

41.4 *Course Structure:* The course will comprise 3 elements: (1) a core course meeting twice a week for 2 hours over 2 terms; (2) option courses meeting once a week for 2 hours – participants will take one per term; (3) the research methods course.

The following options were in 2005 – 2006: Lost Worlds: Victorian and Edwardian Fantasy Literature; Cyberculture/Popular Culture: Theory and Practice; The Western; Irish Gothic and Fantasy Literature. Alternative options may include: Horror; Science Fiction; The Romance; Children's Literature; the Bestseller.

41.5 *Assessment:* Assessment will be by a combination of coursework and dissertation. These will be broken down as follows:

Dissertation (40%): 15,000 words, to be supervised by an appropriate member of staff.

Core Course (30%): 2 essays of 5,000 words

Options (30%): 2 essays of 5,000 words.

41.6 *Course Co-ordinator:* Dr Darryl Jones

42. Psychoanalytic Studies (M.Phil./P.Grad.Dip.)

42.1 *Introduction:* The course is intended as an introduction for well-qualified graduates to the history and theory of psychoanalysis.

42.2 *Admission Requirements:* Applications are normally accepted only from persons with a first or upper second class degree in an appropriate arts, social science or science subject.

42.3 *Duration:* The course lasts for one calendar year from October, and requires full-time study. Candidates are assessed by a combination of course papers and a dissertation.

42.4 *Course Structure:* The course-work consists of three elements:

1. Seminars: Two major subjects of study in each of Michaelmas and Hilary terms, which are taught by means of two-hour seminars in both subjects each week. The subjects available are:

Michaelmas Term

a) The Freudian Discovery

b) The Foundations of Psychoanalysis.

Hilary Term

a) Advanced Developments of the Freudian Discovery (Klein and Lacan)

b) Applications in Anthropology, Religion, Art and Literature.

2. Graduate Lectures: There will be one two-hour Lecture/Seminar on the Principles of Psychoanalysis each week in Michaelmas and Hilary Terms.

3. Dissertation: A dissertation which must arise out of the subjects studied must be typed or printed and presented in duplicate, should be about 14,000 words, and must be submitted by 1st September.

42.5 Students are also encouraged to attend appropriate undergraduate lectures, particularly those in Existentialism and Psychoanalysis (in the Philosophy Department), Freud's Vienna (German Department) and Freud's Famous Cases (Psychology Department).

42.6 *Assessment:* Candidates are assessed by a combination of course papers and a dissertation. Students are required to attend the weekly seminars and lectures and to write two satisfactory seminar essays, which are assessed by the internal examiners. For the candidate to proceed to the dissertation this assessment must be positive. In cases where course-work is satisfactory but the dissertation is either not presented or is not of M.Phil. standard, a Postgraduate Diploma may be awarded. Students who elect to be awarded the Postgraduate Diploma may not subsequently submit for the M.Phil. The M.Phil. degree will be awarded on the basis of the dissertation.

42.7 *Course Co-ordinator:* Dr Ross Skelton

43. Reconciliation Studies (M.Phil./P.Grad.Dip.)

43.1 *Introduction:* This Belfast based degree is an innovative cross-boarder programme which takes an inter-disciplinary approach to the challenges of social reconciliation in the aftermath of armed conflict. Particular attention is given to ethnic conflicts and the role of religion in such conflicts. Courses allow specialisation in the fields of politics, social research, theology and religions.

43.2 *Course Structure/Content:* Students take at least 5 courses, and are assessed on four - Dynamics of Reconciliation and three other courses, at least one of which must be either, Theology of Reconciliation, Conflict Transformation, or Northern Ireland - Conflict and Reconciliation. Students are also required to participate in a week-long Spring school in Dublin, which varies in content from year to year, and for which there will be an additional cost to cover accommodation.

43.3 *Courses:*

Dynamics of Reconciliation

An introduction to the issues in political reconciliation that commonly arise in different conflicts – including truth-seeking, justice, apology and forgiveness – and their significance in the restoration of more positive social relationships.

Theology of Reconciliation

This course addresses the challenges reconciliation raises for Christian theology and the distinctive contribution that theology can make to discussions of reconciliation, including theological perspectives on forgiveness, sacrifice, redemption, memory and hope.

Conflict Transformation

Transforming the dynamics which lead to destructive conflict involves more than simply resolving issues, it requires changed relationships between protagonists. This course introduces the theory of Conflict Transformation practice, in particular: consideration of the role of Conflict Transformation practitioners; an overview of the historical development of the Conflict Transformation field, and key theories of 'transformative' approaches to conflict.

Northern Ireland – Conflict and Reconciliation

The conflict in the north of Ireland and the ongoing challenges of reconciliation that arise from it are an important element in the programme. This course explores the historical complexities of political identity, national allegiance and religious loyalty and the sectarian legacies they have left in 'post-conflict' society.

Social Research Methods

This course provides an introduction to social research methods with special reference to the issues and challenges involved in researching violently conflicted and post-conflict societies. Areas covered will include qualitative and quantitative research methods, literature review, and policy studies in areas such as housing, employment, education and the voluntary sector.

Resources for Reconciliation in World Religions

Religion presents special difficulties in relation to conflict, but also special opportunities in relation to peace. This course examines the role of religion in conflict and identifies resources for reconciliation within some of the world's religious traditions.

When the Fighting Stops: Transitional Justice and Truth Commissions

After violent conflict, both individuals and communities require healing. This course has a focus on truth-recovery, reconciliation, and reconstruction initiatives, for example in Latin America, South Africa and Northern Ireland.

Conflict and Collective Identity: Ethnicity, Nationalism, Religion

Recent years have demonstrated the resilience of ethnic, national, and religious identities, too often in the context of conflict. This course examines the relationship between ethnicity, nationality, and religion; how communal identity is formed and how it can lead to conflict; and resources for peace within such groups.

Courses in Ecumenical Studies and in Peace Studies are open to students on the Reconciliation Studies programme. Students seeking to be assessed for their work on a course in either of the two other programmes must first secure the permission of the relevant programme co-ordinators.

43.4 *Duration:* Taught M.Phil. - one year (12 months), full-time; two years (24 months), part-time. After orientation in Dublin at the start of the course, teaching takes place in Belfast over two terms, October - December and January - March and ends with a week-long Spring School back in Dublin. For the remainder of the programme, including the Summer dissertation period (April - September) students may be based in either Belfast or Dublin depending on their research interests.

43.5 *Assessment:* The assessment comprises four 5,000-6,000 word essays to be submitted by 1st May, and an 18,000-20,000 word dissertation to be completed by 15th September. All students are registered on a common Masters programme and follow the same assessment procedures for the four required essays. Students take at least five courses, and are assessed on four - 'Dynamics of Reconciliation'; and three others, at least one of which must be from 'Theology of Reconciliation', 'Conflict Transformation', or 'Northern Ireland - Conflict, Peace and Reconciliation'. A student who does not wish to submit a dissertation and so be considered for the degree of M.Phil. may instead opt to be considered for a Postgraduate Diploma in Reconciliation Studies, by notifying the programme co-ordinator in writing before 1st April. Such students are required to submit essays by 1st May, and to achieve a mark of 40% on each.

Students must achieve a mark of at least 50% in at least two of these essays and 40% in the other two in order to proceed to dissertation, and must receive a mark of at least 40% in that dissertation to be eligible for the degree of M.Phil. Those who achieve at least 40% on all four essays, but do not achieve 50% on at least two, may at the discretion of the Court of Examiners be recommended for the award of a Postgraduate Diploma in Reconciliation Studies without further assessment. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

43.6 *Admission Requirements:* Applicants should normally have a second class honors degree or above. Students not meeting these criteria may exceptionally be considered at the discretion of the Dean of Graduate Studies. For further information please contact: the Secretary, Reconciliation Studies Programme, Irish School of Ecumenics, (Trinity College), 686 Antrim Road, Belfast BT15 4EG, Northern Ireland.

43.7 *Course Co-ordinator:* Dr David Tombs

44. Reformation and Enlightenment Studies (M.Phil./P.Grad.Dip.)

44.1 *Introduction:* The course is intended as an introduction for well-qualified arts graduates to research problems and methods in intellectual and religious history, drawing on the resources of Dublin libraries and current staff research interests.

44.2 *Admission Requirements:* Applications are normally accepted only from persons with a first or upper second class degree in an appropriate arts subject, e.g. language studies, literature, philosophy or history.

44.3 *Duration:* The course lasts for one calendar year from October, and requires full-time study.

44.4 *Course Structure:* The course-work consists of three elements:

1. Two major subjects of study in each of the Michaelmas and Hilary terms, which are taught by means of a weekly two-hour seminar in each subject. The subjects available, which may vary from year to year, are:

Michaelmas Term

a) Reform and Reformation in Central Europe, 1480-1550

b) War and Society in Early Modern Europe.

Hilary Term

a) Science and Religion in the Early Modern Period

b) The *Philosophes* and the Public in Enlightenment France.

2. A course in Research Methods

3. A course in ancillary skills extending over the Michaelmas and Hilary terms in The History of the Book, Analytical and Historical Bibliography, 1500-1800.

4. A dissertation arising out of one of the subjects studied, for which preparation must be made in Trinity term. The dissertation, which must be typed and presented in duplicate, should comprise 15,000-20,000 words, and must be submitted by 30th September. Details of the requirements for the format and binding of dissertations will be provided.

Candidates who satisfy the examiners in everything but the dissertation may be considered for the award of a Postgraduate Diploma in Reformation and Enlightenment Studies. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

44.5 *Assessment:* Candidates are assessed by a combination of course papers and the dissertation.

44.6 *European Credit Transfer System (ECTS):*
4 major subjects each worth 10 ECTS (10+10+10+10=40 ECTS)
Research Methods worth 5 ECTS
Skills course in The History of the Book and Class Project (10+5=15 ECTS)
Dissertation worth 30 ECTS

44.7 *Course Co-ordinator:* Dr Helga Robinson Hammerstein

45. Social Work Research (M.Phil.)

(There is no intake in 2007/08)

45.1 *Introduction:* The M.Phil. in Social Work Research is offered by the School of Social Work and Social Policy. It is designed for social science graduates who are also professionally qualified social workers, and who seek Masters level research training in social work. The programme will build on students' academic and professional experience and develop their capacity to understand, undertake and commission applied social research in areas of current social work concern.

45.2 *Admission Requirements:* Candidates must have:

1. a good honors degree in the social sciences
2. a social work qualification - National Qualification in Social Work or equivalent
3. a minimum of one year's employment in a qualified social worker post.

There is an intake of 10-12 students each year, with a minimum intake of 8 students, and maximum of 13 students. Selection will be based on (i) Entry Requirements and (ii) Outline Research Proposal. Candidates may be interviewed.

45.3 *Duration:* The programme will run over two academic years, part-time.

45.4 *Course Structure:* The M.Phil. is intended for graduates who have completed foundation social research, social policy and social work courses on social work qualifying programmes. There are courses in social work research approaches, design and methods, organisational analysis, information technology and social work theory. There are a number of assignments including a 20,000 word dissertation, all of which must be passed for the award of the degree. The dissertation is to be submitted in early June in year 2.

45.5 *Acting Course Co-ordinator:* Professor Robbie Gilligan

46. Speech and Language Processing (M.Phil./P.Grad.Dip.)

46.1 *Introduction:* This course, which shares some elements in common with the M.Phil. courses in Linguistics and Applied Linguistics, is offered by the School of Linguistic, Speech and Communication Sciences.

- 46.2 *Aims:* The aims of the course are:
1. to provide students with a thorough understanding of the central concepts and analytic techniques employed in speech science and language processing;
 2. to proceed from this basis to more advanced study of current theoretical issues in speech science and language processing;
 3. via the dissertation component, to introduce students to research in either speech science or language processing.

46.3 *Admission Requirements:* Applicants are normally required to possess a good primary degree or equivalent qualification in subjects such as engineering, computer science, physics, mathematics, linguistics, psychology or related disciplines.

46.4 *Duration:* The course is taken full-time in one calendar year (October to September) or part time in two calendar years. Only the part-time option is available to students who require to remain in employment while taking the course.

46.5 *Structure:* The course consist of consisting of six taught course modules, together with a research methodology course and a dissertation. The taught course modules are made up of four mandatory core courses and two elective option courses.

- 46.6 *Core courses:* The core courses are:
- a) Formal foundations of linguistic theories
 - b) Computational theories of grammar and meaning
 - c) Laboratory phonetics and phonology
 - d) Speech processing 1: spectral analysis

- 46.7 *Elective courses:* The elective courses include:
- a) Advanced syntactic theory
 - b) Speech production, hearing and perception
 - c) Speech processing 2: acoustic modelling
 - d) Corpus linguistics
 - e) Linguistic pragmatics
 - f) Language variation and change
 - g) Technology, language and communication

Not all options may be available in any one year, depending on staff availability and timetabling. Other options may be introduced by the Course Committee at a later date.

46.8 *European Credit Transfer System (ECTS):* The M.Phil. is the equivalent of 90 ECTS:

6 course modules at 10 ECTS	=	60 ECTS
Dissertation at 30 ECTS	=	30 ECTS
Total	=	90 ECTS

The Postgraduate Diploma is the equivalent of 60 ECTS.

46.9 *Dissertation:* As well as following the above programme of study, students write a dissertation of not more than 15,000 words on a topic in either language processing or speech science. The grounds on which the court of examiners may debar students from writing and submitting a dissertation are set out in the course handbook.

46.10 *Assessment:* Students are assessed on the basis of their performance in (i) six assignments of approximately 3,000-4,000 words each related to the course modules of the course and (ii) their dissertation. Assignments must be submitted not later than the first Monday of the term following the term in which they are set; dissertations must be submitted not later than 30th September in the year in which the course is completed. Students whose dissertation fails to satisfy the examiners may, on the recommendation of the court of examiners and on payment of the prescribed fee, be allowed to register for a further year and revise their dissertation. Students who for personal reasons decide not to write a dissertation, or who are debarred from doing so by the court of examiners, will be awarded

a Postgraduate Diploma in Speech and Language Processing, provided that they satisfy the examiners in respect of their course-work. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Phil. at any later stage.

46.11 *Course Co-ordinator:* Dr Jeffrey Kallen

47. Textual and Visual Studies: Nineteenth and Twentieth Century France (M.Phil.)

47.1 *Introduction:* Designed for well-qualified arts graduates (or those who have attained an equivalent level of education in European or other institutions), this course is an introduction to the study of the relationship between the textual and the visual in literature, the arts and other areas of cultural expression. The course includes an introduction to historical bibliography and book production (setting type by hand and printing). The focus of the course is 19th and 20th Century France. The course is run jointly by the French Department, Trinity College, Dublin, the UFR Sciences des Textes et Documents at Université Paris 7 - Denis Diderot and the Département de l'Histoire de l'Art et de l'Archéologie at Université Paris X – Nanterre. The Faculty of Letters (French Department and Word and Image Studies) of the Vrije Universiteit Amsterdam, as well as the English Department (UFR d'Études Anglaises) at Université Paris 7, are also associated with the course.

47.2 *Admission Requirements:* Applicants must normally have a first or upper second class degree (or equivalent) in an appropriate arts subject. In addition, a good working knowledge of both French and English is essential.

47.3 *Duration:* The course lasts for one calendar year from October and requires full-time study. Candidates are assessed by a combination, equally weighted, of course papers and dissertation.

47.4 *Course Structure:* The course will be divided between Paris and Dublin as follows:

First Semester (October-January) French Department, Trinity College Dublin

- (i) Writing and photography in 20th century France
- (ii) Word and Image problems in 19th and 20th-century France
- (iii) Introduction to the semiotics of mixed messages
- (iv) Introduction to analytical and historical bibliography

Second Semester (February-May) UFR Sciences des Textes et Documents, Paris 7; Département d'Histoire de l'Art et de l'Archéologie, Université Paris X

- (i) Texte et image: problèmes de méthodologie
- (ii) Image et civilisations de l'écriture
- (iii) L'illustration au XIX^e siècle français
- (iv) Doctoral seminar at Paris 7

Coursework will be assessed by two assignments, one oral, the other written, in each semester.

Summer Period (June-September: Paris or Dublin)

A 15,000-word dissertation in French or English is submitted to Trinity College Dublin by 30th September.

47.5 *Course Co-ordinator:* Professor Johnnie Gratton

48. Theatre and Performance (M.Phil.)

- 48.1 *Introduction:* The course offers a consideration of the texts and practices of Irish theatre set against the major movements in European performance from the late nineteenth century to the present day, with input from the professional field.
- 48.2 *Admission Requirements:* Candidates should have a good honors degree of upper second class, or above, or equivalent qualification.
- 48.3 *Duration:* The course lasts for one academic year from the beginning of October until the beginning of the following September and requires full-time study.
- 48.4 *Course Structure:* The course will consist of three taught elements, and a dissertation:
1. Irish theatre in context: the historical development of theatre in Ireland and Irish film since the nineteenth century, with an emphasis on issues of text, performance and national and cultural identity. The course will draw on current productions as much as possible, and will explore a range of theatre practices.
 2. Movements in European Theatre: an exploration of the major developments of dramatic theory and practice in European theatre, with an emphasis on the influence of those movements on Irish theatre, national theatres in their various manifestations, and institutional theatre systems.
 3. Strategies of Analysis: current theoretical approaches to the study of theatre and performance.
 4. A dissertation of approximately 15,000 words on an approved aspect of the course.
- 48.5 *Assessment:* There are three elements to the assessment:
1. Three essays of approximately 6,000 words
 2. One oral presentation
 3. A dissertation of approximately 15,000 words.
- Weighting: Essays and oral presentations are weighted equally at 15% each (total of 60%) and the dissertation is weighted at 40%.
- 48.6 *Course Co-ordinator:* Dr Melissa Sihra

Postgraduate Diplomas

Some Masters courses have the option of a Postgraduate Diploma in cases where the taught course has been satisfactorily completed but a dissertation has not been submitted. Such P.Grad.Dip. courses are not detailed below as they are not open to entry as separate options from their parent Masters course *i.e.* students apply for entry to the appropriate Masters course.

49. Anglo Irish Literature (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 21 above.

50. Applied Behaviour Analysis (P.Grad.Dip.)

50.1 *Introduction:* The Diploma in Applied Behaviour Analysis (Psychology) is a postgraduate course open to those with an honours undergraduate degree in Psychology or related human service field. The course provides theoretical, ethical, practical, and introductory research modules in ABA. The aim is to ensure that students become knowledgeable in the understanding and practical application of the principles of applied behaviour analysis with particular regard to persons with autism and other developmental disabilities, and/or children and adolescents in care or special programmes, and/or those students presenting learning and/or behavioural challenges in school. The course is designed to accommodate practitioners; therefore classes are conducted outside of normal working hours.

The objective of the course is to build upon and further develop the student's academic competence, professional knowledge and skills, all grounded in both published research and their practical application while on the course. This is achieved by a combination of academic and experiential components together with supervised professional placement practice experiences. The course does not propose a single or particular approach within ABA, rather draws from the expertise of a range of senior behaviour analysts in Ireland. This allows the students to begin to develop their personal philosophy of behaviour analytic practice whilst being grounded in ethical and sound principles of ABA. Underlying the course nonetheless, is a strong philosophy of providing consumers with the skills and behaviours needed to be successful, and to accomplish this through formally assessing and understanding the rationale and environmental conditions behind the concerns at hand, and then providing the education, training and modifications in surroundings required to remediate any deficits through positive behavioural interventions.

Postgraduate Diploma participants are prepared to meet the academic (only) requirements to undertake the Behaviour Analysis Certification Board's international examination leading to the status of Certified Associate Behaviour Analyst (BCABA). Students are not, however, required to take the BACB certification exam as part of the Diploma course.

Students must secure and maintain membership in a relevant professional organisation, e.g. the Psychological Society of Ireland or Applied Behaviour Analysis International, and must carry student or professional liability insurance throughout the duration of the course.

50.2 *Duration:* The Postgraduate Diploma in ABA is one year, full time. This is an intensive course. Classes begin in early October and end in June with final test and presentations held in June/July. Classes are held approximately every other Saturday from 10am to 5:50pm and one Friday evening per month. Students must also engage in supervised field practice in ABA. This typically occurs at the student's place of employment and is at the student's own expense. Please see the following websites for additional information: www.bacb.com; www.tcd.ie/psychology/aba

50.3 *Modules:* There are 7 modules, all required, comprising the Postgraduate Diploma in Applied Behaviour Analysis course. The course is equivalent to 60 ECTS credits.

Module	Title	ECTS
1	Definitions, Characteristics & Basic Principles	10
2	Ethics in ABA	5
3	Selection, Defining and Measuring Behaviour	10
4	Behavioural Assessment	5
5	Behavioural Intervention, Measurement and Evaluation I	10
6	Behavioural Intervention, Measurement and Evaluation II	10
7	Supervised Practice	10

50.4 *Assessment:* Students undergo a series of assessments throughout the duration of the course. Those candidates who perform at a satisfactory level in all components of the course, i.e. practical application skills; academic assignments, and meet attendance and other requirements as specified in the course outline, will be eligible for the award of Postgraduate Diploma in Applied Behaviour Analysis.

One resubmission/resit will be offered at an agreed date for a failed piece of assessment and failure on more than three assessment components at the first attempt, or a second fail on the same component, will result in a student being excluded from the course.

The Psychological Society of Ireland also provides 12 continuing professional development credits to graduate members of PSI who successfully complete the course. The BACB has provided "course sequence approval" status.

50.5 *Course Director:* Dr Rita Honan

51. Applied Linguistics (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 22 above.

52. Child Protection and Welfare (P.Grad.Dip./M.Sc.)

52.1 *Introduction:* The programme is run on an in-service basis over one academic year, entailing attendance at an induction course and nine block weeks in college, and the completion of course related assignments in the workplace. The multi-disciplinary intake comprises experienced and senior personnel from a range of relevant disciplines, e.g. social work, public health nursing, special education, child care, public health medicine, psychology, Garda Síochána, law and youth work. The course is designed to strengthen the capacity of the health social service, education and criminal justice systems to respond to the needs of abused and vulnerable children and their families. It is organised in close collaboration with the Department of Health and Children and the ten health boards.

52.2 *Admission Requirements:* Admission to the programme is based on a competitive selection procedure. Applicants must:

1. hold a good primary degree or equivalent
 2. be professionally qualified in their discipline and have at least three years professional experience
 3. carry day to day responsibilities in the management and/or delivery of child protection and welfare services
 4. have the written endorsement of their line manager and employer for their application.
- (This entails a commitment by the employing organisation to pay the course fees, to release the student for attendance at College based sessions and to release them from normal duties to the extent necessary to complete a course-related, work-based project. Payment of fees strengthens the organisation's commitment to the student's participation and to the dissemination of knowledge acquired through the organisation.)

52.3 *Course Content:* The course consists of College-based lectures, seminars, workshops and tutorials, and work-related assignments, including three essays and a project (5,000-7,000 words). Courses taught include psychology, law, aspects of family violence, child abuse and child protection, assessment of the social and psychological needs of children at risk, prevention, and aspects of multi-disciplinary and multi-agency work in this field.

52.4 All applicants meeting these requirements are interviewed. Further information regarding applications is available from the Postgraduate Diploma Programme Co-ordinator. There is separate entry to the Masters course. For details see Entry 13 above.

52.5 *Course Co-ordinator:* Dr Helen Buckley

53. Clinical Speech and Language Studies (Dysphagia) (P.Grad.Dip.)

53.1 *Introduction:* This one year part-time course offers clinicians an opportunity to develop specialist skills in all aspects of dysphagia (swallowing disorders) in both adult and paediatric populations. Classes are timetabled to facilitate clinicians in employment.

53.2 *Course Structure:* Students registering for the Postgraduate Diploma will attend each of the six intensively taught 5 day modules in dysphagia, incorporating disability issues, counselling, therapy processes, medico-legal issues and ethics. There will be a strong emphasis on evidence-based practice throughout the modules. Students must undertake to arrange and participate in supervised practical work in dysphagia (with experienced Supervisors to be recognised by the School). Exemptions may be made for students who have already completed a recognised introductory course in dysphagia.

53.3 *Admission Requirements:* Eligible candidates should hold at least an honors degree in Clinical Speech and Language Studies or an equivalent qualification in Speech and Language Therapy.

53.4 *Assessment:* Students registering for the Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia) must pass each of the required assignments on the course.

53.5 *European Credit Transfer System (ECTS):*
The Postgraduate Diploma is the equivalent of 60 ECTS: 6 course modules at 10 ECTS (60 ECTS).

53.6 *Progression:* Students who are successfully complete the Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia) may progress to the second year of the M.Sc. in Clinical Speech and Language Studies (Dysphagia strand) by forfeiting the qualification of Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia). However, they must first have completed course assignments satisfactorily and have notified the Course Coordinators in writing of their request to transfer by February 1st. Once a student has been granted the qualification of Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia), the student may not apply at a later date to enter the M.Sc. (Dysphagia).

53.7 *Course Co-ordinators:* Dr Margaret Walshe and Ms Margaret Leahy

54. Clinical Supervision (Psychology) (P.Grad.Dip.)

54.1 *Introduction:* This professional training course is offered by Trinity College, School of Psychology. It is a one-year, part-time course which is offered as a specialised qualification. It is aimed at practising psychologists, mental health professionals and psychotherapists/counsellors who wish to further their professional development and train as Supervisors.

54.2 *Course Duration:* The course is part-time over the academic year with days and times to facilitate participants who are working full-time. The course is scheduled on Friday afternoons and Saturdays, dates and times are detailed in the Course brochure. In total, it provides 120 hours of input comprising of lectures, workshops, presentations, group supervision, tutorials and skills practice.

54.3 *Admission Requirements:*

- Primary degree in Psychology or a related field, e.g. social work etc.
- Postgraduate training in psychology (counselling, clinical, educational, organisational, health etc.) or psychotherapy / counselling / as documented by the Psychological Society of Ireland, the Irish Association for counselling and Psychotherapy, the Irish Council for Psychotherapy or equivalent
- Have access to a supervisee base for supervision practice
- Fully completed Application Forms (available from Course Administrator, Postgraduate Diploma in Clinical Supervision (Psychology), School of Psychology, Trinity College, Dublin 2) which includes Curriculum Vitae, two letters of reference – one of which needs to be from a supervisor, evidence of qualifications, transcripts etc.
- Individual Interview with the Course Selection Committee.

54.4 *Course Structure:* The training course will be offered on a part-time basis over the course of an academic year and commencing in October. There is a further requirement of 60 hours field practice and 12 hours off-site clinical supervision for this practice. These costs are additional to course fees and the responsibility of the student. Competence is developed through a combination of lectures, workshops, discussions, clinical supervision, peer supervision, written assignments and field practice.

54.5 *Course Syllabus – six modules:* The main areas which have informed the development of this programme include reflective practice, supervisee development, assessment and evaluation, professional responsibility, management and administration:

- Module 1 – Theory, process and skills of clinical supervision
- Module 2 – Clinical supervision relationship, roles and tasks
- Module 3 – Clinical supervision and contexts
- Module 4 – Clinical supervision – legal and ethical issues
- Module 5 – Peer and group supervision
- Module 6 – Professional practice

54.6 *Assessment:* There is continuous assessment of both practical and theoretical work throughout the course. A combination of written and practical assignments is used which includes two feedback reports from the course approved supervisor of professional practice, written papers, an audio/visual case study and a group presentation. Due dates for various assignments are per the course timetable.

54.7 *Suitability for training:* The role of the Clinical Supervisor hold gate keeping functions in their relevant professions and as such, students themselves, must conform to the highest ethical and best practice standards. This role ultimately functions to protect the welfare of the client, the supervisee and the public. Consequently, students are expected and required to conform to the code of ethics and conduct of their relevant professional bodies, in addition to University requirements.

Unsuitability for training constitutes sufficient grounds for exclusion of a student from the course. Unsuitability for training includes a breach of the student's Code of Ethics and/or an inability or unwillingness to uphold appropriate professional standards of conduct or behaviour in terms of constructive relationships with others (including peers, tutors, supervisors or other professional groups). Such unsuitability may lead to significant problems in training which by themselves have not led to repeated failure of module assessments. Unsuitability also involves an inability or unwillingness to use feedback on interpersonal difficulties in a constructive way. Where concerns over a student's suitability arise, the Course Director/tutor will consult with the student concerned in the first instance and specify a course of action that must be completed by the student. If a student fails to meet the requirements specified by the Course Director, the case will be referred to the Course Management Committee and/or External Examiner who may recommend further action or ultimately may recommend that the student be excluded from the course. An assessment of the student's suitability for training by an external specialist may be requested by the Course Management Committee.

54.8 *Course Co-ordinator:* Ms Mary Creaner

55. Conflict and Dispute Resolution Studies (P.Grad.Dip.)

55.1 *Introduction:* This one-year postgraduate programme interests those, in both the public and private sectors, who are professionally involved in conflict analysis, management and resolution and who wish to study civil mediation and other non-adversarial dispute and conflict resolution processes (ADRs) which are increasingly a part of legislative and management structures in the EU and internationally. It aims at achieving standards of best practice for those who recognise the value of alternative dispute resolution processes in resolving commercial, community, workplace and other pre-litigation disputes and in minimising damaged caused by conflict. Those who complete the programme will have a deep understanding of the nature of conflict, the various conflict resolution processes available and will know how to apply them. Through an alliance with Mediation Forum-Ireland those who complete the CDRS programme will have the opportunity to have their names included in the relevant specialist panel of Accredited Mediators.

55.2 *Course Structure/Content:* Teaching methodologies include lectures, interactive lectures, group discussions, case studies, and video materials. Students are encouraged to keep a reflective journal throughout the course and this will be one of the resources drawn upon for review sessions.

Courses:

Unit 1: Understanding Conflict

This unit focuses on images and understandings of conflict; how conflict arises, what function it serves, and the stages in the development of conflicts.

Unit 2: Aspects and Dynamics of Conflict

The second unit focuses on aspects and dynamics of conflict, examining issues concerning the role of power, cultural aspects of conflict and conflict transformation; the relationship between conflict transformation and reconciliation; and dynamics as they are expressed in five particular types of conflict: Community and Ethnic, Corporate and Commercial, Intra and Inter-church, Political, and Gender.

Unit 3: Theories and Processes of Conflict Resolution

The third unit focuses on theories and processes of conflict resolution, examining theories of Conflict Resolution, Conflict Management, and Conflict Transformation, as well as the theoretical underpinnings of approaches to Restorative Justice. Also introduced are legislative, judicial, arbitration and adjudication and Alternative Dispute Resolution processes as used nationally and internationally.

Unit 4: Processes and Skills for Moving Beyond Conflict

The fourth unit focuses on four different processes for moving beyond conflict. This is an integrated theory and skills unit in which students learn: skills of self-awareness and communication necessary for the effective practice of conflict resolution; the theories of each process of conflict resolution; and the skills necessary to achieve basic competence in mediation, facilitation, conciliation and negotiation.

55.3 *Duration:* Taught Evening Diploma – one year (12 months). Teaching period runs from October to May with two evening sessions (six hours per week) over 24 teaching weeks. There are also two Saturday workshops. Essays and skill-based assessments to be completed by 1st August.

55.4 *Assessment:* The assessment is based on two essays, approximately 6,000-8,000 words each, and on a practical skills-based assessment to be completed by 1st August. One essay will focus on underlying theory and philosophy and the other essay will be on an area of specialisation in Unit 4 (which may be related to a particular work context).

To complete the Diploma satisfactorily a pass mark of 40% must be achieved in each of the three elements of the assessment.

55.5 *Admission requirements:* Applicants should normally have an honors degree and three years relevant experience, or another third level qualification and five years relevant experience. Students without the above qualifications will be considered subject to evidence of adequate skills and experience. For further information please contact; The Secretary, Conflict and Dispute Resolution Studies Programme, Irish School of Ecumenics, (Trinity College Dublin), Bea House, Milltown Park, Dublin 6, Ireland.

55.6 *Course Co-ordinator:* Ms Pauly Marrinan Quinn

56. Continuing Professional Development (P.Grad.Dip.)

56.1 *Introduction:* The School of Education, in association with the Association of Teachers and Education Centres in Ireland, the Christian Brothers, St. Catherine's College for Home Economics, the Church of Ireland College of Education, Froebel College of Education, Sion Hill, Marino Institute of Education, the Curriculum Development Unit, CDVEC, and Co. Wicklow VEC provides a variety of continuing professional development activities for teachers and others with a professional interest in education. These activities range from half-day seminars to thirty hour modules. Four modules may be taken in approved combinations for the award of a Postgraduate Diploma. Students who take the additional two research methods modules, and attain a satisfactory level (normally a second class

honors or higher) in both are eligible to apply for the M.St. programme. Applicants who do not meet this requirement on completion of the two research methods modules, may be eligible to go on and undertake two further modules whereupon successful completion will lead to the award of a Postgraduate Diploma. Students who do not attain the above standard may proceed to the award of a second named Postgraduate Diploma. Typically the activities are organised outside of normal school hours and in different Education Centres to facilitate attendance.

56.2 *Admission Requirements:* Teachers recognised by the Department of Education and Science who have normally followed three years of initial training, graduates of recognised universities or others who have a professional interest in education (such as graduates in social work or librarianship).

56.3 *Further Details:*

1. The basic module for each course is 30 contact hours.
2. Four modules contribute to one Postgraduate Diploma.
3. The Postgraduate Diplomas are graded.

56.4 *Duration:* The four modules for the Postgraduate Diploma may be obtained over a period of three years.

56.5 The modules are normally offered outside school hours, either in the evenings, at weekends or full-time weeks during school holidays.

56.6 The courses are assessed by assignment, practical exercises or written examinations.

56.7 Courses are offered in a variety of educational areas including aggression studies, special education, ICT's, drama in education, child abuse and protection, children's literature, intercultural education, cooperative learning, appraisal, promotion procedures, educational leadership, legal issues. A list of modules being offered in an academic year is available on the webpage or from the Division of Continuing Professional Development in July prior to the academic year. However, any module will only be run if sufficient students select it. Study may be commenced at any point during an academic year.

56.8 *Course Modules:* Each module is freestanding. Candidates choose which modules to take. However, for a diploma to be awarded in a specific area the choice of modules is subject to the approval of the Co-ordinator of Continuing Professional Development. During the course of any year additional modules may become available following requests from interested bodies.

56.9 *Course Co-ordinators:* Dr Andrew Loxley and Dr Deirdre O'Neill

57. Economics (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 19 above.

58. Ecumenical Studies (M.Phil. (Ecum.)/P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See entry 26 above.

59. Education (P.Grad.Dip.)

59.1 *Introduction:* The School of Education is responsible for the organisation and administration of the course for the Postgraduate Diploma in Education. The purpose of the course is to prepare candidates for teaching in second-level education.

59.2 *Teaching practice:* By arrangement with the school authorities concerned, candidate teachers undertake practice in Dublin schools, such practice being supervised by the staff of the School of Education under the direction of the Head of School. In accordance with the requirements

of the University and the Secondary Teachers' Registration Council with regard to teaching practice, students should be present in school throughout the entire school year, as defined by the Department of Education and Science circular IML/M26/64, and should obtain not less than the equivalent of 75 full days of school experience.

59.3 *Duration:* The course is in two integral parts, initial and general, and is full-time. Throughout the school year students are required to undertake teaching practice under supervision while pursuing their academic studies at the University. In exceptional circumstances a student may be allowed to carry over teaching practice or a limited number of courses into a second year, on payment of the fee.

59.4 *Courses:*

1. Foundation Studies: philosophy of education; educational psychology; psychology of adolescence; special education; sociology of education; history of education; Irish and comparative education; Curriculum theory, practice and policy.

2. Teaching Studies: Special methods (major subject); special methods (minor subject).

59.5 *Examinations:* Students are evaluated by course-work assessment throughout the year and by written examinations. The student must complete all the exercises prescribed. Additional oral and practical examinations may be required. If a candidate's performance is judged unsatisfactory, the Court of Examiners may grant one supplemental examination only, which shall normally be taken in the same calendar year. Where the student's teaching practice is considered unsatisfactory, the Court of Examiners in exceptional circumstances may allow a further period of teaching practice, which should be completed satisfactorily within the following two academic years, subject to the payment of the appropriate fee.

Successful candidates for the Postgraduate Diploma are divided into three classes according to merit. They are awarded first class honors, second class honors and pass respectively, the names in each class being arranged in alphabetical order. The names of candidates in the second class are further grouped in two divisions, first and second. Supplemental candidates or students who have failed to complete the requirements of the Postgraduate Diploma course by the beginning of the annual examinations for other than duly certified medical reasons, cannot qualify for the award of the Postgraduate Diploma with honors.

59.6 Candidates should note that, in accordance with the requirements of the Secondary Teachers' Registration Council, a minimum of two-thirds attendance at all components of the course is mandatory.

59.7 *Course Co-ordinator:* Dr David Limond and Ms Elizabeth Oldham

60. Educational Studies (M.Ed./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Ed. See Entry 5 above.

61. English Language Teaching (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 27 above.

62. Gender and Women's Studies (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 30 above.

63. German Literature with Language Pedagogy (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 31 above.

64. Linguistics (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry **33** above.

65. Management (P.Grad.Dip.)

65.1 *Introduction:* This course is for managers who have several years' experience in either private, public or not-for-profit organisations. It is a specialised development course that allows practitioners to deepen their knowledge, skill and expertise in the effective management of organisations. The course is offered by the Trinity-IMI Graduate School of Management.

65.2 *Admission requirements:* Applications for admission are accepted from:

- Graduates of the University of Dublin with a first or second class moderatorship or with a first or second class honors in a professional degree course.
- Graduates of recognised universities with first or second class honors degrees.
- Holders of degrees, diplomas or professional qualifications from recognised institutions who, in addition, have relevant work experience.
- Individuals with professional experience, deemed to be of equivalent standing to academic or professional qualifications, may be considered for admission.

65.3 *Duration:* The course is part-time over one year.

65.4 *Course Structure:* The course incorporates eight taught modules worth 5 ECTS credits each, one individual project of 15,000 words worth 10 ECTS credits and one group project of 15,000 words also worth 10 ECTS credits. The list of modules currently available to students includes:

- 1.Environment Analysis
- 2.Internal Analysis
- 3.Exploring Strategic Positions
- 4.Strategic Innovation
- 5.Strategy Implementation
- 6.Performance Measurement
- 7.Business Simulation
- 8.Change Management

It should be noted that not all modules listed may be offered in a given academic year and may be replaced by alternatives.

65.5 *Assessment:* The course is assessed by way of written examinations, written assignments, and both individual and group project.

65.6 *Course Director:* Dr. Robert Galavan

65.7 *Closing date for receipt of applications:* Applications for admission should be addressed to the course director to arrive not later than 30th July of the proposed year of entry. Late applications may be considered. Further information available from the course website.

66. Modern Irish History (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry **38** above.

67. Music and Media Technologies (P.Grad.Dip./M.Phil)

See Entry **39** above. Students register on the Postgraduate Diploma in the first instance.

68. Old Irish (P.Grad.Dip.)

68.1 *Introduction:* This course is intended to provide graduates in related disciplines with a solid grounding in Old Irish language and literature.

68.2 *Admission Requirements:* Applications for admission must be made to the Dean of Graduate Studies by 1st June of the year in which admission is sought. Applications are normally accepted only from persons with a good honors degree in a cognate subject such as Modern Irish or another Celtic language, medieval languages, literature or history, archaeology. Students will be admitted every second year.

68.3 *Duration:* The course lasts for the three terms of one academic year beginning in October and requires full-time study. Candidates are assessed by an examination consisting of two three-hour papers.

68.4 *Course-work:* The course will consist of six contact hours per week, as follows:

1. Introduction to Old Irish (two hours)
2. Tutorials in Old Irish (two hours)
3. Old Irish literature, including readings in lyrical verse (one hour)
4. Old Irish glosses and saga literature (one hour).

68.5 *Course Co-ordinator:* Professor Damian McManus

69. Peace Studies (M.Phil. (Peace Studies)/P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 40 above

70. Psychoanalytic Studies (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 42 above.

71. Reconciliation Studies (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 43 above.

72. Reformation and Enlightenment Studies (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 44 above.

73. Social Work (M.S.W./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.S.W. See Entry 9 above.

74. Speech and Language Processing (M.Phil./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 46 above.

75. Technology and Learning (M.Sc./P.Grad.Dip.)

See entry 19 in the Faculty of Engineering, Mathematics and Science for further details.

Higher Diplomas

76. Higher Diploma in Education (Primary Teaching)

76.1 *Introduction:* The Higher Diploma in Education (Primary Teaching) is a professional course which is intended to provide for the academic and professional requirements of primary school teachers. It is taught jointly by the University's School of Education and two associated Colleges of Education – Coláiste Mhuire, Marino and the Froebel College of Education, Sion Hill, Blackrock. Students attend the majority of courses within their chosen College of Education and attend foundation courses, in common with students from other Colleges of Education, within the University's School of Education.

The H.Dip. (Primary) is an integrated course of study designed to provide student teachers with the range of knowledge, skills and attitudes related to the profession of primary school teaching. Accordingly, throughout the course, considerable emphasis is placed on the study of foundation subjects in education, the Irish and English languages, language development and mathematics, with complementary work in areas such as arts education, religious education, physical education, social, personal and health education (SPHE), information communication technology (ICT), social, environmental and scientific education (SESE) and inclusive education. School experience is regarded as central to the H.Dip. (Primary) programme and there are three periods of teaching practice designed to give students an opportunity to develop their practical skills of observation and teaching. Students who successfully complete this course are recognised by the Department of Education and Science as qualified teachers, following a successful year of probation, in accordance with Rule 157 of the Rules of National Schools.

76.2 *Duration:* The course is of eighteen months duration and is full-time. It commences in early February and is divided into three terms which run from February to June, September to December, and from January to June. H.Dip. (Primary) students register only with the associated College of their choice for the first term of the course. Students register both with the associated College and the University of Dublin, Trinity College for the second and third terms of the course. Graduate students registered with Trinity College have full access to the facilities of the University.

76.3 *Entry Requirements:* Candidates for admission to the programme leading to the H.Dip. (Primary) must possess an approved third-level degree. In addition, applicants must also have secured at least grade C in higher level Irish and at least grade D in mathematics (ordinary or higher level) and at least grade C (ordinary level) or grade D (higher level) in English. Candidates who sat the Leaving Certificate examination prior to 1969 must have secured honors in Irish and passes in English and mathematics. Similar requirements apply in the case of applicants who have sat the Northern Ireland G.C.S.E. and G.C.E. 'A' level examination.

A pass in a University first year arts examination in Irish, English or mathematics will be accepted in lieu of Leaving Certificate/G.C.E./G.C.S.E. requirement for that particular subject. In the case of Irish, a grade C in the Matriculation examination will also be accepted in lieu of the Leaving Certificate examination/G.C.S.E. requirement. In the case of mathematics, a pass in that subject in the Matriculation examination will also be accepted in lieu of the Leaving Certificate examination/G.C.S.E. requirement.

76.4 *Academic progress and examinations:* The evaluation of work for the diploma involves a combination of continuous assessment and final examinations. In order to advance with their class students must satisfactorily complete the assignments and must pass the required examinations. Students should note that full attendance is required at all lectures and tutorials. Annual examinations are held in the final Trinity term, during May and early June, generally over a period of three to four weeks. Supplemental examinations are held in the following September. Successful candidates for the H.Dip. (Primary) are divided into three classes according to merit. They are awarded first class honors, second class honors and pass respectively, the names in each class being arranged in alphabetical order. The names of candidates in the second class are further grouped in two divisions, first and second.

76.5 *Courses:* In the college: theory and method in the teaching of Gaeilge; English; mathematics; religious education; social environmental and scientific education (history, geography,

science); arts education (visual arts, music, drama); physical education; social, personal and health education; inclusive education (special education, intercultural education, educational disadvantage); information communication technology.

In the university: philosophy of education; sociology of education; psychology (child psychology) module 3; psychology (educational psychology) module 5; history of educational ideas/Irish education.

In school and college: Professional development.

76.6 *Course Co-ordinator:* Mr Padraig De Bhal

77. Higher Diploma in Psychology

77.1 *Introduction:* The Higher Diploma course is designed to provide a pre-professional qualification in psychology and to allow graduates of the course to proceed to postgraduate training, including higher degrees by research, and to specialise in any area of professional psychology. It is a two-year full-time course based on lectures, tutorials, laboratory classes and research projects. Candidates for admission to the Higher Diploma in Psychology must hold a primary degree, with at least second class honors. This course has been designed to meet professional accreditation criteria and to confer eligibility for graduate membership on graduates of the course; to provide an understanding of the nature of psychology as a profession, the psychologist's professional responsibilities, standards of performance and ethical issues; to enable students to acquire advanced knowledge in relevant areas within psychology, building upon and extending undergraduate preparation; to extend skills in formulating research problems, gathering and analysing data, interpreting and communicating research findings; and to help students explore their own interests and capacities in the field and to prepare them for further training.

For professional work in psychology it is usually necessary to proceed to a higher degree by research or course work in the speciality of one's choice. The School of Psychology at present offers postgraduate courses in Counselling Psychology, Clinical Psychology, Applied Psychology and the M.Sc. and Ph.D. degrees by research.

77.2 *Courses:* Students must complete all of the following foundation courses during the two years of the course:

- Introduction to Psychology
- Cognition
- Fundamentals of Neuroscience and Behaviour
- Personality and Individual Difference
- Developmental Psychology
- Perception
- Social Psychology
- Psychological Disorder

Foundation courses not taken in Year 1 will be taken in Year 2. Details of the foundation courses which students are required to take in each year of the course are provided in the course handbook. Each foundation course contributes to the practical work. In addition, in both years 1 and 2, students are required to take the practicals, methodology and statistics course and the academic skills tutorials. Students in Year 2 are required to carry out an empirical investigation of a psychological topic or question, under the supervision of a member of the academic staff in the School.

A range of optional courses is offered each year and over the two years of the course, students must take least one course from each required area (biological, cognitive, social, development, personality and individual differences). Courses taken in Year 1 may not be taken in Year 2. See the course handbook for details of the options available and of the number of options which students are required to take in each year of the course.

77.3 *Notes:* Courses are offered subject to timetabling restrictions and staff availability and may be offered in years other than those scheduled. Additional courses may occasionally be provided for particular years of the course and credit for participation in these courses will be given in the

assessment process. Details of such courses as become available and any requirements for attendance and participation are published at the beginning of the academic year.

77.4 *Academic progress and examinations:* Students are required to attend academic skills tutorials, practical classes and seminars and to complete any exercises that may be set in association with any course.

Higher Diploma Year 1
Continuous assessment
Practicals, Methodology and Statistics 1 (Practical stream)
Academic skills tutorial essays

Candidates take examination papers in Trinity Term, (except where advised in the course handbook) one for each of the foundation courses and one for each of the optional courses read in year 1. All papers for foundation courses will be of 1 hour and 15 minutes duration. The practical stream will be assessed by continuous assessment and failure on this assessment cannot be compensated. Academic skills tutorial work will also be assessed by continuous assessment. Full details of course requirements and assessment procedures are available in the course handbook.

Higher Diploma Year 2
Candidates for the Higher Diploma must submit two typed copies, bound in departmental covers, of a practical project which has been carried out during the second year of the Higher Diploma programme.

Continuous assessment
Practicals, Methodology and Statistics II (Practical stream)
Academic skills tutorial essays

Candidates take examination papers in Trinity Term, (except where advised in the course handbook) one for each of the foundation courses and one for each of the optional courses read in year 2. All papers for foundation courses are of 1 hr. 15 mins. duration. The practical stream is assessed by continuous assessment and failure on this assessment cannot be compensated. Tutorial work is also assessed by continuous assessment. Full details of course requirements and assessment procedures are available in the course handbook.

77.5 *Course Co-ordinator:* Dr Jean Quigley

6(b). Faculty of Engineering, Mathematics and Science

1. Master in Engineering (M.A.I.)

1.1 *Admission:* Applications for the degree of M.A.I. should be addressed to the Dean of Graduate Studies. There are two possible routes for a postgraduate to obtain an M.A.I. By the first route, the candidate must have taken the degree of B.A.I. in the University of Dublin and must have practised for three years as an engineer after having obtained the degree of B.A.I. To qualify for the M.A.I. degree the candidate must present a written dissertation, which must take the form of either a report on a piece of engineering research carried out by the candidate individually or as one of a group, or else of a description of a substantial project in design, construction, development or production in an engineering field in which he or she has taken part. The second route is outlined in Paragraph 1.3 below.

1.2 A candidate must furnish evidence that the requirements stated above have been fulfilled and must submit two bound copies of the thesis to the Dean of Graduate Studies.

1.3 An alternative course is available to those who hold one of the following qualifications: the degree of B.A.I. of the University of Dublin, or an engineering degree of another university, or an equivalent qualification. This alternative course is described below.

1.4 *Course Director:* Dr Eric Farrell

1.5 *Note:* This course is currently under review and may undergo substantial changes in the 2007/2008 academic year.

2. Master in Engineering (M.A.I.) Recurrent Education

2.1 *Admission:* Engineering graduates who wish to submit a dissertation for consideration for an M.A.I. (Recurrent Education) may do so after having passed an approved combination of two Postgraduate Diplomas, and subject to the approval of the appropriate Director of Teaching and Learning (Postgraduate). The candidate is required to submit to the Dean of Graduate Studies three bound copies of a dissertation on a research project carried out in his/her professional environment or a detailed case history of a significant industrial project in design, development or production in an engineering field in which she/he has taken part. The work is to be carried out to academic criteria and should include some contribution to knowledge. It will be jointly supervised by a member of the staff of the School of Engineering and an approved engineer, or equivalent in the industry in question. The dissertation is to be submitted not later than three years after registering for the degree.

2.2 An approved combination of two diplomas may be selected from the following Postgraduate Diploma courses; Postgraduate Diploma in Applied Building Repair and Conservation, Postgraduate Diploma in Computers for Engineers, Postgraduate Diploma in Construction Law and Contract Administration, Postgraduate Diploma in Environmental Engineering, Postgraduate Diploma in Fire Safety Practise, Postgraduate Diploma in Health and Safety in Construction, Postgraduate Diploma in Highway and Geotechnical Engineering, Postgraduate Diploma in Physical Planning, Postgraduate Diploma in Project Management, and the Postgraduate Diploma in Statistics. A candidate must have passed an approved combination of Postgraduate Diplomas before registering for a Masters in Engineering (M.A.I.) Recurrent Education.

2.3 It is possible to substitute a course of lectures from the modules listed in Paragraph 3.3 below. The Director of the Teaching and Learning (Postgraduate) must approve the selection.

2.4 *Course Director:* Dr Eric Farrell

M.Sc. Courses

3. Engineering (by Module)

3.1 *Introduction:* M.Sc. courses may be provided in computer science and electronic engineering by selecting appropriate modules from those listed under course modules below. In addition, M.Sc. courses for engineering and science graduates may be provided in civil engineering, computer science, electronic engineering and mechanical and manufacturing engineering (see appropriate entries below for the course syllabi). Candidates for M.Sc. courses may enquire of the Registrar of the Graduate School of Engineering Studies for further information concerning the content and availability of courses in a particular year.

3.2 *Examination:* There will be written examinations and, in addition, candidates must submit a dissertation on an individual project. Students must submit their dissertations by the prescribed date. Students who complete the examination requirements only, may, on recommendation of the examiners, be awarded a Postgraduate Diploma.

3.3 *Course Modules:* If there is sufficient demand and subject to the availability of staff, the course modules 1 - 45 below, may be provided. A candidate's choice of course modules and of a topic for a dissertation to fulfil the requirements of a M.Sc. course will be subject to the approval of the Director of the Graduate School of Engineering Studies.

1. Management of Information Systems
2. Software engineering for concurrent and distributed systems
3. Data communications and networks
4. Distributed systems
5. Knowledge and data engineering
6. Advanced graphics and visualisation
7. Logic programming and functional languages
8. Compiler design
9. Artificial intelligence
10. Operations research
11. Corporate strategy
12. Strategic management of information systems
13. Change management
14. Communications and decision processes
15. Analysis and reasoning systems
16. Systems modelling and simulation
17. Theoretical computer science
18. Programming languages
19. Numerical analysis
20. Advanced operating systems
21. Advanced computer architecture
22. User interface management systems
23. Graph theory
24. Database management
25. Symbolic manipulation
26. Information retrieval
27. Bio-computing
28. Robotics and computer vision
29. Systems management
30. Special topics in computer science
31. Discrete-time signal processing
32. Integrated circuits
33. Production techniques
34. Production management
35. Industrial statistics
36. Economics
37. Industrial relations

38. Introduction to statistics
39. Specialised technology *
40. Digital communications theory
41. Antennas and propagation
42. Mobile radio channel characterisation
43. Mobile radio systems
44. Mobile network planning
45. Applications and case studies.

* Specialised courses in specific technology subjects will be made available from time to time as the opportunity arises. This module may be submitted for one of the modules in the courses listed above.

4. Biodiversity and Conservation (M.Sc./P.Grad.Dip.)

4.1 *Introduction:* The course is designed to provide students with a sound theoretical and practical grounding in the science of biological diversity and its conservation. This modular course will utilise a range of teaching methods to develop key theoretical knowledge and link this to practical skills. Skills in developing research methods will be developed through desk studies and (for M.Sc. candidates only) a research project.

4.2 *Admission Requirements:* Applicants will be required to hold at least an upper second class honors in a science subject that included significant components of botany, zoology or a relevant life science. Non-EU applicants will be required to hold an equivalent qualification. Candidates with relevant, and significant, experience as professional practitioners in Biodiversity management or policy may be accepted with lower qualifications.

4.3 *Duration and course structure:* The course will run over a twelve-month period, using learning modules as described below. All modules are compulsory for M.Sc. students while P.Grad.Dip. students are required to take all modules except the Project Planning and Research Project.

Core theoretical modules: these modules provide the framework for much of the theoretical teaching.

- Introduction to Biodiversity
- Introduction to conservation biology
- Human impact on Biodiversity
- Impacts of climate change on Biodiversity

Core skills modules: these modules provide a variety of practical skills that can be used in both research and industry.

- Taxonomy, systematics and ID skills
- Research methods – data handling and analysis
- Practical conservation biology

Practical research modules: these modules have varied levels of experimental research and associated project planning.

- Desk Study: Presentation and reporting
- Project Planning
- Research Project

4.4 *Assessment:* Candidates shall be assessed throughout the course by:

- Written examination
- Coursework and essays
- Presentations
- Web-based tests
- A dissertation based on a research project

In order to be awarded the degree of Master of Science in Biodiversity and Conservation, candidates must satisfy the Court of Examiners by passing all seven of the taught modules of the

course and by obtaining a pass in the dissertation and desk study. The taught modules of the course will contribute 53% of the overall assessment mark (6 modules = 7% each and 1 module = 11%). The research element of the course will contribute 47% of the overall assessment mark (11% for the desk study and 36 % for the dissertation). The pass mark for each module and for the dissertation is 50%. Where a module involves more than one assessment all items of assessment must be passed. Candidates who pass all taught modules and the desk study can exit with a Postgraduate Diploma or may proceed and undertake a dissertation. Candidates must obtain a pass mark (50%) in their dissertation to be awarded a M.Sc. Candidates who pass all taught modules and the desk study but fail their dissertation may be awarded a Postgraduate Diploma.

Failure in one taught module may be permitted provided there is evidence of work of sufficient merit in other modules as determined by the Court of Examiners. Students who fail to satisfy the Court of Examiners in any module may be permitted at the discretion of the Court to represent themselves on one occasion only for supplementary written work or examination. Where a student is required to take such supplementary work or examination the original mark in the failed module will be replaced by 50% in the case of a successful outcome. Any candidate who fails any piece of supplementary coursework or repeat examination will be required to withdraw from the programme. A candidate who fails more than two modules at the first attempt will be required to withdraw from the programme. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Sc. at any later stage.

4.5 *Course Director:* Dr Stephen Waldren

5. Bioengineering (M.Sc./P.Grad.Dip.)

5.1 *Introduction:* The course aims to develop engineers with an advanced understanding of the technologies underpinning the bioengineering industry, particularly the design, development and market regulation of medical devices and associated healthcare products. The course is taught jointly with the University of Limerick and University College Dublin.

5.2 *Admission Requirements:* Candidates for this course must normally (i) hold a good honors degree in engineering or a cognate discipline, or hold appropriate qualifications in engineering with at least three years professional experience, and (ii) satisfy the course committee that they have a sufficient understanding of the fundamentals of medical science.

5.3 *Duration:* The duration of the course will be nine months for the Diploma and one year for the Masters degree. The course can be taken on a part-time basis over a two-year period. Students register on the Masters course in the first instance.

5.4 *Course Structure:* The Postgraduate Diploma course consists of four modules; the Masters course consists of four modules together with an extended research project. The course modules cover the following subject areas; (i) Biomechanics, (ii) Biomaterials, (iii) Bioinstrumentation, (iv) Rehabilitation Engineering, (v) Cell and Tissue Bioengineering. These will be delivered by a combination of intensive teaching weeks and distance learning.

5.5 *Assessment:* Postgraduate Diploma candidates will be assessed on the basis of written examinations and continuous assessment. M.Sc. candidates will, in addition, complete a substantial research project and submit a dissertation of approximately 30,000 words. In partial fulfilment of the dissertation, students will partake in an industrial design module taught by NCAD, if it is available. Both the examinations and the dissertations are subject to external moderation. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Sc. at any later stage.

5.6 *Course Director:* Dr Ciaran Simms

5.7 *Web site:* www.tcd.ie/bioengineering

6. Chemical and Biological Techniques (M.Sc./P.Grad.Dip.)

6.1 *Introduction:* The course provides a programme of applied teaching relevant to graduates interested in pursuing research careers, particularly in Industry. It is geared towards the training of recent graduates and current industrial employees. The course is run by the School of Chemistry, Trinity College Dublin and supported through teaching in collaboration with the School of Chemistry and Chemical Biology at UCD.

6.2 *Admission Requirements:* Applications for admission are accepted from:

- (i) holders of a good science-based degree, at least second class degrees awarded by recognised universities and institutions
- (ii) holders of other degrees from recognised universities or degree granting institutions who have experience of at least three years of appropriate employment.

6.3 *Duration:* The course is a part-time course and will be offered in two modes, part-time I-II. The duration of the part-time I course will be two years and the part-time II will be three years.

6.4 *Course Structure:* The Postgraduate Diploma will consist of 8 taught modules (4 core modules and 4 optional modules), the Masters course consists of eight modules together with an extended research project. The course modules cover the following subject areas; (i) Spectroscopy, (ii) Separation (iii) General Instrumentation, (iv) Data Analysis and Presentation, (v) Chemical and Biological Assays, (vi) Sample preparation, (vii) Binding events and Molecular Modelling and (viii) Research Practices of chemical and biological systems. These will be delivered by a combination of weekly lectures, intensive practical sessions and distance learning.

6.5 *Assessment:* Postgraduate Diploma candidates will be assessed on the basis of written and oral examinations and continuous assessment. M.Sc. candidates will, in addition, complete a substantial research project and submit a dissertation of approximately 15,000 words. Both the examinations and the dissertations are subject to external moderation. Those students who, for any reason, do not wish to continue to the dissertation on the M.Sc. Programme may, after satisfactorily completing a sufficient number of modules, apply to exit with a Postgraduate Diploma in Chemical and Biological Techniques. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to this M.Sc. at any later stage.

6.6 *Course Director:* Prof. Sylvia Draper

7. Civil Engineering (M.Sc./P.Grad.Dip.)

7.1 *Admission Requirements:* Candidates for this course must normally hold a first or second class, first division honors degree in civil engineering or a cognate discipline and pursue the course full-time for a period of not less than twelve consecutive months. Alternatively the course may be taken part-time over two years. Students register on the Masters course in the first instance.

7.2 *Course Modules:* In the first term (Part 1), candidates must take module A1 and choose three of modules B1 – B6, given below:

- A1. Civil Engineering Management
- B1. Ground Engineering
- B2. Engineering Hydrology
- B3. Introduction to Environmental Analysis
- B4. Environmental Engineering.
- B5. Introduction to Transportation
- B6. Transport Modelling I

In the second term (Part 2), candidates must take module A2 and choose three of modules C1 – C6, given below:

- A2. Research Methods
- C1. Bridge Engineering
- C2. Highway Engineering

- C3. Water Resource Planning
- C4. Waste and Environmental Engineering
- C5. Hydrological and Water Quality Modelling
- C6. Transport Modelling II

Some of the modules in either term may be withdrawn from time to time. In addition to passing the prescribed examinations each student must submit a dissertation on an approved topic.

7.3 *Assessment:* Students who complete the examination requirements only, may, on recommendation of the examiners be awarded a Postgraduate Diploma in Civil Engineering. Any student who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Sc. at any later stage.

7.4 *Course Co-ordinator:* Mr Laurence Gill

8. Computer Science (Interactive Entertainment Technology) (M.Sc./P.Grad.Dip.)

8.1 *Introduction:* This M.Sc. in Computer Science is a one-year full-time graduate course in Computer Science focusing on Interactive Entertainment Technology.

8.2 *Aim:* The aim of this course is to equip students with the theoretical and practical knowledge that will enable them to participate in the design and development of interactive video game and entertainment technology in a wide range of applications and environments. The programme presents the state of the art in, and the likely evolution of the technologies employed to create the increasingly complex hardware and software platforms used in the industry. The focus is on skills that will develop graduates' capacity as agents of change and prepare them for immediate contribution to and subsequent successful careers in the industry.

8.3 *Admission Requirements:* Admission to the course is competitive, and is normally restricted to graduates who have achieved an upper second class honours degree, or better, in computing, information technology, or a related discipline. Well-qualified candidates from other disciplines who have sufficient knowledge of computing (including the ability to program) may also be accepted.

8.4 *Duration:* The course will be offered on a one year, full-time basis.

8.5 *Course structure:* The course will incorporate both taught and practical components. Students will undertake a significant group project and an independent research project that will be reported in the form of a dissertation.

8.6 *Assessment:* To be eligible for the award of an M.Sc. in Computer Science, students must, within the same academic year (October - September), pass a prescribed set of modules, including a group project module, and satisfactorily complete a dissertation on a topic approved by the course director. Each module will be assessed based on an annual examination to be held in Hilary/Trinity term of each year and/or associated practical work to be completed prior to an advertised deadline.

List of modules scheduled October to March:

- Module 1: Numerical Methods and Advanced Mathematical Modelling – 10 ECTS
- Module 2: Software Engineering for Concurrent and Distributed Systems – 10 ECTS
- Module 5: Seminar Series - 0 ECTS
- Module 6: Data Communications & Networks – 10 ECTS
- Module 7: Graphics & Console Hardware and Real-time Rendering – 10 ECTS
- Module 8: Artificial Intelligence and Autonomous Agents – 10 ECTS
- Module 9: Real time Animation and Physics – 10 ECTS
- Module 10: Vision Systems & Augmented Reality – 10 ECTS

List of modules scheduled April to September:

- Module 3: Group Project – 10 ECTS
- Module 4: Dissertation – 30 ECTS

Modules 1, 2, 3, 4 and 5 are core, and taken by all students. The other modules are options and students are required to choose 3 out of the 5 currently available. Modules which have fewer than 8 students will not be run. Students are required to reach a full-complement of 90 ECTS to be eligible for the award of the M.Sc. degree.

To pass a module, students must satisfactorily complete any associated practical work for that module, and/or obtain a passing mark in any annual examination for that module. Students who fail one or more modules on the basis of the criteria outlined above will not be eligible to submit a dissertation and will not be eligible for the award of an M.Sc. in Computer Science but may, at the discretion of the board of examiners, be offered the opportunity to subsequently pass the corresponding module(s) by passing a supplemental examination and/or undertaking supplemental practical work in any module that they failed. Students who pass the required modules but who are not permitted to or otherwise do not submit a dissertation will be eligible for the award of a Postgraduate Diploma in Computer Science.

Each student undertakes an individual research project leading to submission of a dissertation (30 ECTS), which is expected to be of a publishable standard, on some topic chosen in consultation with the Course Director. Students are assigned a supervisor who guides them through the definition of the research goal statement, assists them in implementing best practise in their research methodology and meets regularly with the student during the course of the research.

Assessment of the dissertation is via an examinable research report and a viva voce, in accordance with College regulations.

To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a passing mark.

8.7 *Course Director:* Dr Steven Collins

9. Computer Science (Mobile and Ubiquitous Computing) (M.Sc.)

9.1 *Introduction:* This M.Sc. in Computer Science is a one-year full-time graduate programme in Computer Science focusing on mobile and ubiquitous computing.

9.2 *Aim:* The primary goals of this programme are to equip graduate students from diverse backgrounds with an integrated set of skills that will allow them to develop their professional careers in this and related areas of information technology and to enable them to become leaders in their chosen field of specialisation. The particular focus of the programme is to equip students with the theoretical and practical background that is necessary to enable them to participate in the design and deployment of mobile and ubiquitous computing solutions in a wide range of applications and environments. The programme presents the state of the art in mobile and ubiquitous computing and the likely evolution of the area. The focus is on skills that are not presently imparted to students during their undergraduate years, and that will develop graduates' capacity as agents of change.

9.3 *Admission Requirements:* Admission to the M.Sc. programme is competitive, and is normally restricted to graduates who have achieved an upper second class honours degree, or better, in computing, information technology, or a related discipline. Well-qualified candidates from other disciplines who have sufficient knowledge of computing (including the ability to program) may also be accepted.

9.4 *Duration:* One year (October-September), full-time. Students will not be permitted to join the course late.

9.5 *Course structure:* The M.Sc. programme will incorporate both taught and practical components. M.Sc. students will also undertake an independent research project that will be reported in the form of a dissertation.

9.6 *Assessment:* To be eligible for the award of a M.Sc. in Computer Science, students must, within the same academic year (October - September), pass a prescribed set of modules, and satisfactorily complete a dissertation on a topic approved by the course director. Each module will be assessed based on an annual examination to be held in Hilary/Trinity term of each year and/or associated practical work to be completed prior to an advertised deadline.

To pass a module, students must satisfactorily complete any associated practical work for that module, and/or obtain a passing mark in any annual examination for that module.

Students who fail one or more modules on the basis of the criteria outlined above will not be eligible to submit a dissertation and will not be eligible for the award of an M.Sc. in Computer Science but may, at the discretion of the board of examiners, be offered the opportunity to subsequently pass the corresponding module(s) by passing a supplemental examination or undertaking supplemental practical work in any module that they failed. To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a passing mark. Students who pass the required modules but who are not permitted to or otherwise do not submit a dissertation will be eligible for the award of a Postgraduate Diploma in Computer Science. The M.Sc. Degree is not graded. All assessments and the dissertation will be subject to external review.

9.7 *Course Director:* Dr Mads Haahr

10. Computer Science (Networks and Distributed Systems) (M.Sc./P.Grad.Dip.)

10.1 *Introduction:* The M.Sc. in Computer Science is a one-year, full-time graduate programme in Computer Science focusing on networks and distributed systems.

10.2 *Aim:* The primary aim of the M.Sc. programme is to equip graduate students with an integrated set of skills that will allow them to develop their professional careers in information technology. The particular focus of the programme is to equip students with the theoretical and practical background that is necessary to enable them to participate in the design of complex networked and distributed systems. The programme not only presents the state of the art in the design and implementation of networks and distributed systems but also prepares students to embrace future developments in the field. Specific emphasis is placed on the presentation and assimilation of challenging and stimulating material that has a demonstrated professional relevance. The focus of the programme is on skills that are not normally imparted to students during their undergraduate years and that will develop graduates' capacity as leaders in the field. Thus, the programme is intended to prepare graduates to pursue careers in industry or to undertake basic research in the field.

10.3 *Admission Requirements:* Admission is competitive and is normally restricted to graduates who have achieved an upper second class honors degree, or higher, in computing, information technology, or a related discipline. Well-qualified candidates from disciplines such as engineering, mathematics, statistics, or physics who have sufficient knowledge of computing (including the ability to program) may also be accepted. Students register on the Masters programme in the first instance.

10.4 *Duration:* One-year (October – September), full-time. Students will not be permitted to join the course late.

10.5 *Course Structure:* The M.Sc. programme will incorporate both taught and practical components. M.Sc. students will also undertake an independent research project that will be reported in the form of a dissertation.

10.6 *Assessment:* To be eligible for the award of a M.Sc. in Computer Science, students must, within the same academic year (October – September), pass a set of modules chosen from those listed under course modules below and approved by the course director, and satisfactorily complete a dissertation on a topic approved by the course director. Each module will be assessed based on an annual examination to be held in Hilary/Trinity term of each year and associated practical work to be completed prior to the annual examination.

To pass a module, students must satisfactorily complete the associated practical work for that module, and obtain a passing mark in the annual examination for that module.

Students who fail one or more module on the basis of the criteria outlined above will not be eligible to submit a dissertation and will not be eligible for the award of an M.Sc. in Computer Science but may, at the discretion of the board of examiners, be offered the opportunity to subsequently pass the corresponding module(s) by passing a supplemental examination in any module that they failed. To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a passing mark. Students who pass the required modules but who are not permitted to or otherwise do not submit a dissertation will be eligible for the award of a Postgraduate Diploma in Computer Science. Neither the M.Sc. degree nor the diploma is graded. All assessments and the dissertation will be subject to external review. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Sc. at any later stage.

10.7 *Course Modules:* Course modules will cover a range of topics of relevance to the design, implementation and future developments of complex networked and distributed systems. A student's choice of a topic for a dissertation will be subject to the approval of the Course Director.

10.8 *Course Director:* Dr Siobhan Clarke

11. Electronic Engineering (M.Sc.)

11.1 See entry 3 above for details of this course.

12. Environmental Sciences (M.Sc./P.Grad.Dip.)

12.1 *Introduction:* The course is intended for:

1. established administrative and scientific workers in applied environmental sciences
2. new graduates with appropriate biological/earth sciences background.

12.2 *Course Structure:*

1. It will cover academic and applied aspects of environmental research and management and is a full-time course of one year's duration, but a student may wish to register for a second year to complete the dissertation to the satisfaction of the examiners.

2. There are three terms of course-work including a number of project assignments followed by an individual project on which the second part of the degree course is assessed. Individual projects may be related to the current employment of established workers.

Additional information may be obtained from the School of Natural Sciences (<http://www.tcd.ie/naturalsciences>).

12.3 *Admission Requirements:* Applications for admission are accepted from

1. graduates of the University of Dublin with a first or second class moderatorship, or with a first or second class honors in a professional degree course
2. holders of first or second class honors degrees awarded by recognised universities and institutions, and recognised degree awarding bodies (*e.g.* H.E.T.A.C., C.N.A.A.)
3. holders of other degrees from recognised universities or degree granting institutions who have experienced at least three years of appropriate employment
4. holders of recognised professional qualifications obtained through examinations who have spent four years at least in study and who, in addition, have been employed for two years at least in the work of their profession

5. holders of diplomas obtained through examinations who have spent three years at least in full-time study at a recognised third-level educational institution and who, in addition, have experienced at least five years of appropriate employment.

12.4 *Allocation of places:* As the number of places is limited, the Admissions Committee will allocate places to qualified candidates on results of interviews and of such tests as the committee may decide.

12.5 *Examinations:* To complete the course a candidate must satisfy the examiners:

1. on course performance in class work, assignments and tests; and
2. on a project report or dissertation submitted at the end of the course.

A student who has completed the course will be eligible for the degree of Master in Science in Environmental Sciences.

12.6 *Progress:* In exceptional cases, if circumstances have arisen during the year to make it impossible to undertake the dissertation project, a student registered for the Masters course may apply for a Postgraduate Diploma. Approval would depend on successful completion of the taught course and a recommendation for the award of the Postgraduate Diploma by the examiners. The Postgraduate Diploma is of honors standard. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Sc. at any later stage.

12.7 *Course Co-ordinator:* Dr Robin Edwards

13. Health Informatics (P.Grad.Dip./M.Sc.)

13.1 *Introduction:* This is a joint programme offered by the Faculties of Health Sciences and Engineering and System Sciences. Health Informatics is broadly concerned with the application of Information Technology in the health sector. It is a truly interdisciplinary field in which Medicine, Computer Science, Management Science, Statistics and Engineering are all represented.

13.2 *Aim:* The main aim of the programme is to give students from both computing and health sciences backgrounds a broad understanding of both the principles underlying the field of Health Informatics and of its practical applications. The course is intended for suitably qualified applicants currently working or aspiring to work in a position in the health sector which requires the efficient and cost effective application of information technology.

13.3 *Admission Requirements:* Applications will be accepted from those who:

1. hold a good honors degree in a professional (health sciences or computer engineering) discipline, or
2. hold an equivalent qualification with relevant professional experience, or
3. hold other appropriate qualifications with at least three years relevant professional experience, or
4. otherwise satisfy the course admission committee that they have the ability to complete and benefit from the course.

Applicants meeting these requirements will be interviewed. Students register on Postgraduate Diploma in the first instance. Students who successfully complete the Postgraduate Diploma will have the option of proceeding to the M.Sc. programme without receiving the Postgraduate Diploma.

13.4 *Duration:* The Postgraduate Diploma will be run over one academic year (October - June) on a part-time basis on Friday afternoons and Saturday mornings to facilitate those in full-time employment. The M.Sc. will extend for one further year.

13.5 *Course Structure:* The Postgraduate Diploma will incorporate both taught and practical components. Given the nature of Health Informatics, there will be a strong emphasis on practical team-based continuous assessment. M.Sc. students will receive instruction in research methodology

and will undertake an independent research project which will be reported in the form of a dissertation.

13.6 *Syllabus for the Postgraduate Diploma:* Students will take a total of six modules covering the following topics: Introduction to Health Informatics, Introduction to Computing (for students from a non-computing background), or Introduction to Health Sciences (for students from a computing background), Health Information Systems, Telemedicine, Knowledge-based and Decision Support Systems, Medical Imaging, Multimedia Systems, and Statistics.

Note that not all modules will be offered each year; insofar as it is feasible, the range available will be adapted each year to suit the interests and skills of the particular cohort of students.

13.7 *Assessment:* Postgraduate Diploma candidates will be assessed on the basis of two written examinations, one of which will be held at the end of the Michaelmas term and the other at the end of the Trinity term, together with course-work in the form of written assignments and/or practical work undertaken during the year. The pass mark is 40%. M.Sc. candidates will in addition complete a substantial research project and submit a dissertation of approximately 20,000 words. The examinations, coursework and dissertation will be subject to external moderation.

13.8 *Location:* Teaching will take place both on the main campus and in the Trinity Centre for Health Science, St. James's Hospital.

13.9 *Course Co-ordinators:* Dr Lucy Hederman

14. High Performance Computing (M.Sc./P.Grad.Dip.)

14.1 *Introduction:* This is a one-year taught course organised by the School of Mathematics. It aims to provide training in modern applications of high performance computing for graduates of disciplines with a strong mathematical base. Application areas include product development and design in a variety of industrial sectors where computer simulations play an important part, extraction of trends and making predictions from data in the financial or marketing areas, telecommunications, and pure research in several fundamental areas of science.

14.2 *Admission Requirements:* Applicants should normally have a first class or second class (upper division) degree in a subject with a significant mathematical component and should have some knowledge of computing. The course is appropriate for new graduates and for those working in relevant applications areas.

14.3 *Course Structure:* The course is a full-time course, lasts one calendar year from October and consists of course-work, laboratory work and supervised project in one of the application areas. The courses on offer will normally include optional components in a variety of application areas, some given by other departments in College and by professionals in relevant areas. The project may be supervised by staff from the various departments of College where techniques treated in the course are used in research.

14.4 *Assessment:* Course-work is examined in May/June end of year examinations and the laboratory work by continuous assessment. A dissertation describing the project work should be completed by the end of August for examination in September. To be awarded a M.Sc. student must satisfactorily complete:

1. a course of high performance computing technology, dealing with both hardware and software (60 hours)
2. optional course modules in various application areas of simulation (60 hours)
3. programming exercises in a supervised laboratory course (90 hours)
4. a project leading to a dissertation (individual work with general supervision, equivalent to 120 hours of course-work).

If exceptional circumstances have arisen during the year to make it impossible to undertake the project, a student registered for the Masters course may apply for a Postgraduate Diploma in High

Performance Computing. Approval would depend on successful completion of the course and laboratory work and a recommendation for the award of the Postgraduate Diploma by the examiners. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Sc. at any later stage.

14.5 *Course Co-ordinator:* Dr Michael Peardon

15. Integrated Systems Design (M.Sc./P.Grad.Dip.)

(There is no intake in 2007/08)

15.1 *Introduction:* This course is run by the Electronic and Electrical Engineering Department and is intended for suitably qualified applicants currently employed in the Information Engineering sector, particularly those involved in design.

15.2 *Admission Requirements:* Admission is normally open to graduates who have achieved an upper second class honors degree, or higher, in a primary degree or who possess qualifications of equivalent professional standing and satisfy the course director of their suitability for this course. Preference will be given to those with at least one year's experience in an industry related to the course material. Applicants meeting the necessary requirements may be interviewed.

15.3 *Duration:* Two years, part-time. The course will run provided there are sufficient numbers of suitable applicants.

15.4 *Course Structure:* The course consists of a taught component and a substantial research dissertation of at least 18,000 and not more than 25,000 words. The taught component in both years covers the following areas: Signal Processing, Communications, Design Issues for System on a Chip, and example material from UMTS, MPEG4. Students register on the Masters programme in the first instance.

15.5 *Assessment:* Taught courses are assessed using a variety of techniques including written examinations, class assignments, presentations and laboratory sessions. Candidates who complete the first year satisfactorily (at least 50% overall mark) will be eligible for the award of a Postgraduate Diploma. Those opting for the award of the postgraduate diploma will not then be eligible to proceed to the M.Sc. at any later stage. Candidates must achieve a mark of 50% on the taught component to be allowed to proceed to the research component leading to the degree of Masters of Science. Neither the degree nor the diploma will be graded. The dissertation is subject to external review.

15.6 *Course Director:* Dr Anil Kokaram

16. Management of Information Systems (M.Sc./P.Grad.Dip.)

16.1 *Introduction:* This course aims to provide the student with the knowledge and skills to undertake senior professional managerial roles within the Information Technology Sector. It brings together the latest research coupled with best internationally accepted management practice and relates these to the needs of today's organisation.

16.2 *Admission Requirements:* Applicants for this course must normally hold a good honors degree (upper second class or higher) in computer science, information systems, information technology, business and information technology, computer engineering or a cognate discipline. Relevant professional experience is also desirable. Applicants may be interviewed.

16.3 *Duration:* Two years, part-time evening programme, to facilitate those in full-time employment.

16.4 *Course Structure:* The course consists of a taught component and a substantial research project resulting in a dissertation of approximately 20,000 words. The taught component covers the

following areas: Strategic Systems Planning for Information Systems, Social Impact of Information Systems, Managing the IT Supplier Environment, Managing the IT Customer Environment, Research Methods, Innovation and Entrepreneurship in IS/IT. Students register on the Master's programme in the first instance.

16.5 *Assessment:* The programme runs over two years and comprises 6 taught courses and a dissertation of approximately 15,000 - 20,000 words.

First year courses are assessed by written examinations and coursework assignments. Second year courses are assessed by coursework assignments only. Students who fail an examination may repeat the examination once only. Students who fail a coursework assignment may repeat the coursework assignment once only. These students may then proceed to complete the M.Sc. subject to passing the written examinations/coursework assignments. Each student must submit a satisfactory proposal in order to progress to the Dissertation stage.

Candidates who have successfully completed all taught elements of the programme, i.e. examinations and coursework including a project proposal, but may not be in a position to complete a dissertation, may be eligible for the award of Postgraduate Diploma in Information Systems. Once awarded a diploma, candidates will not be permitted to present for the M.Sc. degree.

To be awarded the M.Sc., candidates must pass all examinations and coursework assignments, present a satisfactory proposal and complete a satisfactory dissertation. Neither the M.Sc. Degree nor the Diploma is graded.

Examinations, coursework assignments and dissertation are subject to external review.

16.6 *Course Director:* Dr James Anthony Redmond

17. Mechanical Engineering (M.Sc.) Erasmus Mundus

17.1 *Admission Requirements:* The course is open to holders of a good honors degrees in engineering or physical science subjects and will extend over a period of 2 years.

17.2 *Course Content:* Substantial project plus prescribed modules (including language training) from the 4th and 5th years of the professional engineering programmes of the partner institutions (Trinity College, INSA de Lyon and the Escola Tecnica Superior d'Enginyeria Industrial de Barcelona (E.T.S.E.I.B.))

17.3 *Assessment:* Students complete one year of their programme at Trinity College and one year at one of the other partner institutions. Progression to the second year is conditional upon satisfying the examiners at the end of the first year. The degree is conferred on those who satisfy the examiners at both institutions.

17.4 *Course Director:* Dr Craig Meskell

18. Multimedia Systems (M.Sc.)

18.1 *Admission Requirements:* Applications will be accepted from good honors graduates in any discipline, or with relevant work experience. The creative and academic ability of selected applicants will be assessed from submitted applications. Mathematical and problem solving ability will also be taken into consideration when assessing the applications.

18.2 *Duration:* The course is one year, full-time.

18.3 *Course Structure:* The course will be run over a twelve month period. Lecture courses will be given throughout the three terms and examinations will take place in May/June. Students will undertake significant course-work during the academic year. Starting in Hilary term, each student proposes a multimedia final project which leads to a multimedia installation in September. This

project can be undertaken individually or collaboratively with other students from the class. A dissertation must be submitted by the end of March on an approved research topic by each student.

18.4 *Assessment:* There will be written examinations in Trinity term; students must pass these examinations before proceeding with the multimedia final project over the summer months. The examinations, final project, and dissertation will be externally examined.

18.5 *Course Director:* Professor Marie Redmond

19. Technology and Learning (M.Sc./P.Grad.Dip.)

19.1 *Introduction:* This course is run jointly by the School of Education and the Department of Computer Science and is intended for those whose work involves using information technology in the pedagogical process. Graduates of the course should be able to play a leadership role in the use of I.T. to support learning in both formal and informal educational settings.

19.2 *Admission Requirements:* Admission is normally restricted to graduates who have achieved an upper second class honors degree, or higher, in a primary degree. Where applicants do not have an upper second class honor in their degree substantial relevant experience may be taken into account. Preference will be given to applicants with at least 3 years experience. A qualification in Computer Science is not required but applicants are expected to be computer literate. Applicants meeting the necessary requirements will normally be interviewed.

19.3 *Duration:* Two years, part-time.

19.4 *Course Structure:* The course runs over two years and consists of a taught component in year one with a substantial research dissertation in year two. Course modules will cover research methods and a range of topics of relevance to the design, implementation and evaluation of technology enhanced learning scenarios. There is a substantial capstone project at the end of year 1. M.Sc. candidates must carry out a piece of substantive research in the area of design, use and evaluation of advanced I.T. based techniques in a learning environment.

19.5 *Assessment:* The taught components are assessed primarily by project work and presentations. To be allowed to proceed to the research component leading to the degree of Master in Science (Technology & Learning) candidates must: achieve a mark of 50% on the end of year capstone project; achieve a pass mark of 40% on all other assessments; achieve an overall average mark of 50% on the taught component. At the Summer Court of Examiners students who fail any assessments may, at the discretion of the Court of Examiners, re-submit the failed assessment by the end of August. Re-submissions having been taken into account, candidates whose average grade is between 40-49%, and who fail no more than one assessment, will be eligible for a Diploma (Technology & Learning) but will not be allowed to proceed further.

19.6 *Closing Date:* The 31st May in the year in which admission is being sought.

19.7 *Course Director:* Mr Brendan Tangney

M.Phil. courses

20. Music and Media Technologies (P.Grad.Dip./M.Phil.)

See entry 39 in Faculty of Arts, Humanities and Social Sciences above.

Postgraduate Diplomas

Some Masters courses have the option of a Postgraduate Diploma in cases where the taught course has been satisfactorily completed but a dissertation has not been submitted. Such P.Grad.Dip. courses

are not detailed below as they are not open to entry as separate options from their parent Masters course *i.e.* students apply for entry to the appropriate Masters course.

21. Applied Building Repair and Conservation (P.Grad.Dip.)

21.1 *Introduction:* The aim of this Diploma course is to provide a good understanding of all the issues related to the repair and conservation of existing fabrics, both modern and traditional.

21.2 *Admission Requirements:* An honors degree in civil engineering or equivalent professional qualification.

21.3 *Duration:* The duration of this course is one academic year.

21.4 *Course Structure:* The Diploma will provide, first, a solid knowledge of materials and built fabrics, both modern and traditional, the causes and mechanisms of weathering and corrosion and the traditional as well as the most advanced ways to repair and preserve them. The second part of the Diploma will include examples of current practice by government institutions, local authorities, private professionals and commercial companies involved in the field. The knowledge acquired in the first part of the Diploma will enable the student to analyse the second part of the Diploma with a critical approach.

The Diploma will comprise lectures and a research project which will be supplemented with practicals including site visits and laboratories. These are held on Friday evenings and Saturday mornings each week throughout the three teaching terms (October to May).

21.5 *Assessment:* The award of a Postgraduate Diploma in Applied Building Repair and Conservation is based on a combination of the results of two examination papers and a research thesis. Each paper constitutes one third and the thesis the remaining third of the overall assessment. Students must pass each paper and the thesis. There is no system of compensation. The pass mark for the examinations and the thesis is 40%. A Distinction is awarded to those who obtain an overall average mark of 70% or more at the summer examinations. The annual examination will be held in May and June, with a supplemental examination in September. All students are required to sit the annual examination in May/June, unless permission to defer is received from the Dean of Graduate Studies.

21.6 *Course Director:* Dr Sara Pavia

22. Biodiversity and Conservation (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 4 above.

23. Bioengineering (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 5 above.

24. Chemical and Biological Techniques (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 6 above.

25. Civil Engineering (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 7 above.

26. Computer Science (Interactive Entertainment Technology) (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 8 above.

27. Computer Science (Mobile and Ubiquitous Computing) (P.Grad.Dip.)

27.1 *Introduction:* This Postgraduate Diploma in Computer Science is a one-year full-time graduate programme in Computer Science focusing on mobile and ubiquitous computing.

27.2 *Aim:* The particular focus of the programme is to equip students with the theoretical and practical background that is necessary to enable them to participate in the design and deployment of mobile and ubiquitous computing solutions in a wide range of applications and environments. The focus is on skills that will not have been imparted to students during their undergraduate years.

27.3 *Admission Requirements:* Admission to the Diploma programme is competitive and is open to well-qualified candidates from any discipline. Candidates from creative backgrounds such as fine art, design, architecture, or film studies are particularly encouraged to apply and no background in computing is necessary.

27.4 *Duration:* One year, full-time. Students will not be permitted to join the course late.

27.5 *Course structure:* The Diploma programme will incorporate both taught and practical components.

27.6 *Assessment:* To be eligible for the award of a P.Grad.Dip. in Computer Science, students must, within the same academic year, pass a prescribed set of modules. Each module will be assessed based on an annual examination to be held in Hilary/Trinity term of each year and/or associated practical work to be completed prior to an advertised deadline.

To pass a module, students must satisfactorily complete any associated practical work for that module, and/or obtain a passing mark in any annual examination for that module. Students who fail one or more modules on the basis of the criteria outlined above may, at the discretion of the board of examiners, be offered the opportunity to subsequently pass the corresponding module(s) by passing a supplemental examination or undertaking supplemental practical work in any module that they failed. The diploma is not graded. All assessments will be subject to external review.

27.7 *Course Director:* Dr Mads Haahr

28. Computer Science (Networks and Distributed Systems) (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 10 above.

29. Computers for Engineers (P.Grad.Dip.)

29.1 *Introduction:* This is a one-year postgraduate course for engineers and graduates in related disciplines on problem solving and programming. A procedural programming language such as C will be covered in detail. Object Orientated Programming will be covered using an appropriate language such as C++ or Java as a vehicle. There will be an introduction to computer networks, databases and operating systems with an emphasis on the internet and the World Wide Web.

29.2 *Admission Requirements:* Applicants must have fulfilled the academic requirements necessary for full membership of the Institution of Engineers of Ireland. In some circumstances candidates with a technical degree and a good working knowledge of computers will also be accepted onto the course.

29.3 *Duration:* This is a part-time course with two hours of lectures and tutorials per week over three terms.

29.4 *Structure:* Procedural programming will be covered in the first term. The second term will concentrate on networking operating systems and databases, and Object Orientated programming will be covered in the third term.

29.5 *Assessment:* Assessment will be by written examination and coursework. 20% of the overall mark will be awarded for coursework. The overall pass mark is 40%.

29.6 *Course Director:* Professor Pádraig Cunningham

30. Construction Law and Contract Administration (P.Grad.Dip.)

30.1 *Introduction:* This postgraduate diploma course is designed to enable the students to acquire knowledge of construction law equivalent to that required by a competent arbitrator, adjudicator or administrator.

30.2 *Admission Requirements:* The normal entry requirement for this course is a degree in civil engineering or another suitable professional qualification, including a law qualification.

30.3 *Duration:* The duration of this course is one academic year.

30.4 *Course Structure:* The topics covered include: introduction to the Irish legal system; the law of tort; the law of contract; the Irish litigation process; relations of law and construction; topics incorporated in construction contracts; EU law and private international law; statutory duties and construction projects; and methods of disputes resolution. A series of special lectures on construction methods, codes and terminology may be provided as an alternative for some of the lectures on the basic aspects of law for those with law qualifications.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the three teaching terms (October to May), with some lectures scheduled for Friday or Saturday afternoons.

In addition to attending lectures, students are required to participate in workshops, which comprise an important part of the course.

30.5 *Assessment:* Assessment is by examination and coursework. The examinations consisting of two papers, are held in May/June. Coursework associated with the workshops must be submitted as part of the students' assessment. Both papers and the coursework must be passed. The mark for the coursework constitutes 20% of the overall assessment for the course.

30.6 *Course Co-ordinator:* Dr Niamh Harty

31. Environmental Engineering (P.Grad.Dip.)

31.1 *Introduction:* This postgraduate diploma course is designed to provide engineers and other suitably qualified graduates with a sound knowledge and understanding of present day practice in environmental engineering. The course has been developed so as to have special relevance to local authority and state sector engineers as well as those involved with environmental management.

31.2 *Admission Requirements:* The normal entry requirement for this course is a degree in engineering or cognate discipline.

31.3 *Duration:* The duration of this course is one academic year.

31.4 *Course Structure:* Course modules include water and wastewater engineering; environmental impact analysis; air and water pollution; noise; solid and toxic waste; fire safety engineering; tropical health and environmental control; contaminated land; energy management; and legal issues.

Lectures are held on Friday evenings and Saturday mornings each week throughout the three teaching terms (October to May).

31.5 *Assessment:* Assessment is by examinations and coursework. The examinations, consisting of two papers, are held in May/June and both papers must be passed. Coursework projects account for one third of the final assessment.

31.6 *Course Co-ordinator:* Mr Paul Johnston

32. Environmental Sciences (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 12 above.

33. Fire Safety Practice (Buildings and other Structures) (P.Grad.Dip.)

33.1 *Introduction:* This postgraduate diploma course is designed to enable engineers, architects, fire prevention officers and other suitably qualified professionals to acquire a sound knowledge of the important aspects of fire safety practice in buildings and other structures.

33.2 *Admission Requirements:* The normal entry requirement for this course is a degree in civil engineering or architecture or another suitable professional qualification.

33.3 *Duration:* The duration of this course is one academic year.

33.4 *Course Structure:* The topics covered include: fundamentals of fire science; behaviour of buildings in fire; fire engineering; active and passive fire protection systems; fire detection; alarm provisions and emergency lighting; building regulations and the legislative environment; preparation of fire safety certificate applications.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the three teaching terms (October to May), with some lectures scheduled for Friday afternoons.

In addition to attending lectures, students are required to submit coursework involving the design of fire safety systems and the development of a strategy for a project that assists in negotiations with fire authorities for acceptance.

33.5 *Assessment:* Assessment is by examinations and coursework. The examinations, consisting of two papers, are held in May/June. Both papers and the coursework must be passed. The mark for the coursework constitutes 20% of the overall assessment for the course.

33.6 *Course Co-ordinator:* Dr Trevor Orr

34. Health and Safety in Construction (P.Grad.Dip.)

34.1 *Introduction:* This postgraduate diploma course is designed to enable civil engineers and other construction professionals to perform the roles of Project Supervisor and Site Safety Representative and carry out Health and Safety training in accordance with current legislation.

34.2 *Admission Requirements:* A degree in civil engineering or equivalent professional qualification.

34.3 *Duration:* The duration of this course is one academic year.

34.4 *Course Structure:* Course modules include: Introduction to Health and Safety in Construction; Health and Safety Legislation; Construction Regulations; FAS Safe Pass Health and Safety Training; Health and Safety Management; Risk Assessment; COSSH Regulations; First Aid; Disease and Injury; Environmental Impact Assessment. Lectures are held on Friday evenings and Saturday mornings each week throughout the three teaching terms (October to May).

34.5 *Assessment:* Assessment is by course-work (5%), 4,000 word dissertation on a suitable research topic (15%) and examination (80%). The examination, which consists of two three-hour papers, is held in May/June. All three components, course-work, dissertation and examination must be passed.

34.6 *Course Co-ordinator:* Dr Niamh Harty

35. Health Informatics (P.Grad.Dip./M.Sc.)

Students register on the Postgraduate Diploma in the first instance. See Entry 13 above.

36. High Performance Computing (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 14 above.

37. Highway and Geotechnical Engineering (P.Grad.Dip.)

(There is no intake in 2007/08)

37.1 *Introduction:* This postgraduate diploma course is designed to provide the specialised knowledge to enable a graduate engineer plan, locate, design, construct and manage roads.

37.2 *Admission Requirements:* The normal entry requirement for this course is a degree in civil engineering.

37.3 *Duration:* The duration of this course is one academic year.

37.4 *Course Structure:* The topics covered are the principles and techniques underlying the design and construction of modern highways, including aspects of geotechnical engineering, materials and project management.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the three teaching terms (October to May). In addition to attending lectures, a dissertation and coursework are integral parts of the course.

37.5 *Assessment:* Assessment is by examinations, the dissertation and coursework. The examinations, consisting of two papers, are held in May/June. The marks for the dissertation constitute one third of the overall assessment for the course.

37.6 *Course Co-ordinator:* Dr Eric Farrell

38. Integrated Systems Design (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 15 above.

39. Management of Information Systems (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 16 above.

40. Music and Media Technologies (P.Grad.Dip./M.Phil.)

Students register on the Postgraduate Diploma in the first instance. See entry 39 in Faculty of Arts, Humanities and Social Sciences above.

41. Physical Planning (P.Grad.Dip.)

(There is no intake in 2007/08)

41.1 *Introduction:* This postgraduate diploma course is designed to enable those who have some role in the planning and designing of the physical infrastructure, particularly those working for

county councils and local authorities, to acquire a sound basic knowledge of planning and understanding of the role of all professional bodies involved in planning the physical infrastructure.

41.2 *Admission Requirements:* The normal entry requirement for this course is a degree in civil engineering or another suitable qualification.

41.3 *Duration:* The duration of this course is one academic year.

41.4 *Course Structure:* The topics covered include: planning law and administration; strategic planning; sustainable development; development plans; integrated land use planning; building regulations; urban planning; rural development; handling of planning applications; economic policies; environmental protection; coastal zone management; waste management; minerals planning and development; planning aspects of building conservation, transportation planning; psychology and planning; sociological aspects of planning; planning and archaeology; roles of the media, politics and politicians in planning and use of computer methods in planning.

Lectures are held on Friday evenings and Saturday mornings each week throughout the three teaching terms (October to May).

An individual project, carried by each student in his/her own time, is an important part of the course.

41.5 *Assessment:* Assessment is by examinations and project. The examinations, consisting of two papers, are held in May/June. Both papers and the project must be passed. The mark for the project constitutes one third of the overall assessment for the course.

41.6 *Course Co-ordinator:* Dr Trevor Orr

42. Project Management (P.Grad.Dip.)

42.1 *Introduction:* This postgraduate diploma course is designed to provide engineers and other suitably qualified graduates with a sound knowledge and understanding of all aspects of project management in civil engineering and construction.

42.2 *Admission Requirements:* The normal entry requirement for this course is a degree in engineering, architecture or quantity surveying. A small number of places are available for applicants without these particular qualifications but with other relevant qualifications and experience. These places will be offered on the basis of interviews normally held in the spring.

42.3 *Duration:* The duration of this course is one academic year.

42.4 *Course Structure:* The topics covered include: legal aspects; use of information technology in project management; project planning and control; project financing and accounting, contracts and tendering procedures, human resources management and motivation, health and safety, industrial relations, insurance and claims.

42.5 *Assessment:* Assessment is by examinations and coursework. The examinations, consisting of two papers, are held in May/June and both papers must be passed. An information technology exercise comprises the coursework for this course and the mark for this constitutes 15% of the mark for one paper.

42.6 *Course Co-ordinator:* Dr Trevor Orr

43. Specialised Technology (P.Grad.Dip.)

43.1 From time to time as opportunity arises, specialised courses in specific technological subjects will be made available (see module 30, Paragraph 3.3 above). In certain instances such

courses may lead to the award of a Postgraduate Diploma to participants who hold an engineering degree or equivalent qualifications.

44. Statistics (P.Grad.Dip.)

44.1 *Introduction:* This course is intended for graduates in any discipline who need to apply statistical methods in research or related contexts.

44.2 *Admission Requirements:* Applications will be considered from graduates in any discipline who have some background in mathematics. Further information may be obtained from the Department of Statistics. Applications for admission should be made to the Department of Statistics.

44.3 *Course Structure:* This diploma course is organised on a modular basis. In order to qualify for the award of the diploma students must pass one mandatory and two elective modules. These modules may be taken over two years or the complete course requirement may be taken in one year, if so desired. The elective modules will normally consist of two hours teaching on each of two evenings for six weeks. The mandatory module is twice this length. The scheduling of some elective modules may vary from the normal teaching format. Different elective modules may be offered from year to year. Further information on the available modules may be obtained from the Department of Statistics.

44.4 *Examination:* Each module will be examined separately. The form of the examination may vary from module to module and may include assignments, written examinations or both. Written examinations will take place in the breaks between terms and in May / June.

Subject to the recommendation of the examiners a student who fails the examination for a module may be allowed a supplemental examination. If required, supplemental written examinations will be held for all modules in September.

44.5 *Course Director:* Mr Eamonn Mullins

45. Technology and Learning (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 19 above.

46. Continuing Education Programme in Statistics

46.1 *Introduction:* The Department has established a Continuing Education Programme the purpose of which is to make available to graduates and others a range of courses oriented towards problem solving and decision making involving the methods of Statistics and Management Sciences. The Postgraduate Diploma in Statistics forms part of this programme. In addition, the department offers a range of short courses. Courses currently on offer include industrially oriented courses on Statistical Quality Control and Experimental Design, Modelling for Business Decisions and a range of courses on various aspects of Medical Statistics.

6(c). Faculty of Health Sciences

1. Integrated Doctorate in Molecular Medicine (Integrated M.Sc./Ph.D.)

1.1 *Introduction:* There has been an enormous growth in the understanding of how basic biological processes take place at a molecular level in recent years. Molecular Medicine is a new field that exploits advances in diverse areas of molecular and cellular biology to characterise how normal cellular processes either fail, or are subverted, in disease. High quality research into the causes of disease relies necessarily on a multi-disciplinary approach incorporating a thorough understanding of fundamental processes of cell biology, genetics and the integration of these processes in the function of the host at cell, tissue and organism levels. Traditionally, the teaching of science has tended to take a specialised, disciplinary, approach in explaining disease at the functional level. This programme provides a multidisciplinary research environment aimed at integrating different disciplines and technologies in the discovery and understanding of the molecular mechanisms by which cells and organisms function in health and disease. The Integrated Ph.D. in Molecular Medicine takes the form of a four year Ph.D. programme. The concepts underlying molecular medicine are introduced to the students in the first year through taught modules, self-and group-directed learning and project work, to provide analytical skills and understanding of a wide range of technologies. Candidates may choose from a menu of basic and advanced taught modules according to their needs and experience. This ensures that persons from specialised undergraduate and clinical degrees can broaden their knowledge base. The programme is designed to provide the intellectual tools to analyse the literature and assess and assimilate information throughout the programme, and to ensure that students interact collectively to maximise information dissemination. Thus the programme will produce a cohort of scientists of exceptionally high standards and broad training.

1.2 *Admission Requirements:* Applications are invited from individuals with a primary degree in biology, medicine, dentistry, veterinary and pharmaceutical sciences. Applicants with other scientific qualifications may be considered. Those with a science degree must have achieved at least an upper second class honors degree or its equivalent. Admission is limited to six students per year.

1.3 *Course Structure:* The Integrated Ph.D. training programme is funded for four years. In the first year students undergo a taught component which introduces them to the concepts of Molecular Medicine. Students can select from a broad array of modules covering both basic and specialised topics in all areas of biology. Modules include bioethics, bioinformatics and the scientific process. Emphasis is placed on self-directed learning and the development of communication skills. The first year includes a programme of mini-projects based on a rotation through research laboratories in order to provide participants with experience of different research methodologies and environments. Students are required to satisfactorily complete assessments at the end of the first year in order to progress in the programme. In years two to four, students will complete a three-year research project in the laboratory of an affiliated scientific investigator. Students undergo continued training in specialised subjects pertaining to their chosen discipline and of broader interest to scientists, including aspects of business, innovation, intellectual property and advanced technology.

1.4 *Assessment:* Theoretical understanding of taught modules is assessed by written examination. Assessment of the research component of year one is by submission of a portfolio of mini-project dissertations and oral presentations which is evaluated by assessors appointed by the course steering committee. Participants are also assessed on the quality of their oral and other presentations pertaining to the self-taught component of the programme. The assessment includes an interview of all participants by the steering committee. Participants must achieve a satisfactory standard in year one in order to progress to the remainder of the programme. Students who attain a minimum score of 50% in each of the three assessed areas: written examinations, project dissertation and continuous assessment may transfer to the Ph.D. register subject to the approval of the steering committee who will also assess the student's overall performance during the year in terms of motivation, aptitude, responsibility and other characteristics necessary to the successful completion of a Ph.D. No elements may be repeated. Those who failed to meet these criteria but achieve an overall average of 50% and no less than 40% in any one element may continue on the M.Sc. register

to complete a M.Sc. dissertation. Students who do not meet these criteria will be deemed to have failed the course and will be excluded.

In order to further progress in the programme, the students complete a transfer report after a further 12-15 months in the laboratory. This is evaluated by the steering committee. Finally, the students must complete a minimum number of hours of advanced training in the second and subsequent years of the programme.

1.5 *Course Co-ordinator:* Dr Ross McManus

2. Integrated Doctorate in Neuroscience (M.Sc./Ph.D.)

2.1 *Introduction:* Trinity College Institute of Neuroscience (TCIN) is an interdisciplinary research and teaching institute which is the focal point for an integrated 4-year M.Sc./Ph.D. programme in Neuroscience. The structure of the course is tailored to ensure a broad, interdisciplinary experience of laboratory techniques, clinical methods and coursework. The custom-designed laboratories, interaction spaces, seminar rooms and write-up spaces, are provided in an explicitly interdisciplinary context, where fundamental, problem-oriented research is conducted in the context of a desire to contribute to human health and welfare. Students initially register for a Master degree in Neuroscience and on successful completion of the requirements described below, transfer to the Ph.D. register at the end of the first year. Students who do not satisfy the requirements, or for their own reasons choose to do so, may be awarded the degree of M.Sc. in Neuroscience after successfully completing the first year's coursework and achieving a pass mark in the M.Sc. dissertation.

2.2 *Selection of students:* Students are selected on the basis of competitive application and interviewed by the Research and Training Management Committee. Candidates with a minimum of Upper Second Class Honors degree from the biological/life/health sciences (e.g. genetics, physiology, biochemistry, pharmacology, psychology, zoology, microbiology) and other cognate/appropriate disciplines (e.g. mathematics, physics, chemistry) are eligible to apply for entry to this programme. Each student is assigned a mentor and participates in an induction process. The role of the mentor, with the backing of the Supervisor and Committee, is to support and guide the student, to ensure completion of his/her studies and submission of a Ph.D. thesis within the four years. A handbook is given to each student.

2.3 *Course Structure:* First year of Ph.D. programme (M.Sc.)

Induction: The induction process involves a general "About Trinity" session, an introduction to neuroscience research and Health and Safety in the laboratory.

Rotations: Three satisfactory laboratory rotations of 11 weeks duration (10 weeks laboratory work and 1 week write-up) are required. The laboratory rotations and lecture series are divided into research themes, each with a theme co-ordinator. The theme co-ordinator is responsible for the smooth running and quality of coursework of the theme and these co-ordinators are members of the Research and Training Management Committee (RTMC). In year 1 each student must choose rotations from at least 3 of the 4 themes of research, one of which may be in the laboratory in which the students finally decide to undertake research for their Ph.D. thesis. This rotation provides the students with the necessary breadth of experience to make an informed decision concerning their final selection and allows students to get acquainted with PIs whom they may wish to choose as their Ph.D. Supervisor.

Formal lectures: These consist of lectures on research topics and a supporting lecture series.

2.4 *Assessment:* An assessment/steering committee consisting of the four theme leaders (or their designated substitute(s), in the event of incapacity or unavailability) assess students' laboratory work. This committee also act in the capacity of thesis advisory committee. At the start of the first year each student is assisted in designing a study plan which outlines the courses and laboratory rotations to be attended. This study plan is updated throughout the 4-year programme and targets are set and assessed at intervals with the Supervisor and steering committee.

2.5 *Overall academic assessment and progress monitoring:* The students' progress throughout Year 1 is assessed on a variety of criteria as follows their lab book, their data-handling abilities, the quality of the written reports, their attendance and diligence in the lab, their self-assessment of participation and integration within the assigned laboratories. These criteria are formally described below. In addition, the students are required to make a research presentation which is formally assessed. On the basis of the assessment described below students are classified as either (a) eligible to transfer to the Ph.D. register or (b) eligible to proceed to complete a M.Sc. dissertation. Students are not eligible for both a M.Sc. and Ph.D. degree on the basis of this programme. Students meeting all of the criteria on the various coursework components at a minimum of a pass level will be regarded as eligible to proceed to a Ph.D. at the end of year one. A passing grade is 50% score out of a possible 100% in any instance below.

1. **Laboratory practice:** The PI in which the student undertook the 10 week project assigns marks for laboratory practice. The student logbook, which includes the study plan and targets, is reviewed at the end of each laboratory rotation [This logbook records formal meetings and appraisal by the Supervisor and is signed off by both student and Supervisor]. The logbook is assessed as either satisfactory or non-satisfactory. No more than one of the three rotations are allowed to be non-satisfactory; two or more non-satisfactory ratings result in the student not being allowed to proceed to a Ph.D.

2. **Written report:** the length of each laboratory report should be 2,000–3,000 words. It should be set out as a brief review of the area of research, technologies used and results from experiments carried out; details will be provided in the 'Study Guide'. The report is marked by 2 PIs/associates independently. The written report is assessed as either satisfactory or non-satisfactory. No more than one of the three written reports are allowed to be non-satisfactory; two or more non-satisfactory ratings result in the student not being allowed to proceed to a Ph.D.

3. **Oral/poster presentation:** Students also give an oral and/or a poster presentation and this is marked by the RTMC or appropriately delegated TCIN PIs who are present. The oral/poster presentation is mandatory and failure to complete the oral and/or poster presentation results in the student not being allowed to proceed to a Ph.D.

4. All students participate in compulsory research foundation and professional development training. Failure to participate in these components results in the student not being allowed to proceed to a Ph.D.

5. **Written examination:** At the end of the lab rotations and complementary taught modules there may be, at the discretion of the Research Training Management Committee, Theory and/or Practical Examinations. A particular focus is examined in the topics that were chosen in their laboratory/lecture rotation, which are recorded as their study plan in each student logbook. These examinations are marked as fail, pass, pass with honors or pass with distinction. Failure on more than one of these examinations results in the student not being allowed to proceed to a Ph.D.

6. **Compulsory research foundation/professional development.** Topics envisaged include Techniques in Neuroscience, Ethics and Animal experimentation and licensing, Journal Club, Clinical Case Presentations, Presentation and Communication skills, How to do a Ph.D., Technology Transfer. Assessment varies according to course – some of the courses may not be suited to formal assessment and for this reason audit may be preferred. Failure to participate in these components results in the student not being allowed to proceed to a Ph.D.

7. The Postgraduate Diploma in Statistics is strongly recommended (subject to availability) for every student (and is particularly recommended for those students without a strong mathematics, statistical or related background) and is particularly suited to being taken in year 2, whereas all the other courses will be usually taken in the first year.

Students who do not match the criteria stated above are not eligible to proceed to a Ph.D. Such students are either designated as 'Eligible to Proceed to M.Sc. dissertation' or are designated as having failed to meet the minimum requirements to proceed to a M.Sc. dissertation.

1. Students designated as "Eligible to proceed to M.Sc. dissertation" must submit a dissertation on a neuroscience research topic agreed with the RTMC of 15,000-20,000 words by 30th September in the year of registration, and must receive a passing grade on this, in order to receive an M.Sc. If a passing grade is not received for this dissertation, one resubmission of it is allowed. The time allowed for a resubmission designated as "minor" is two months following the communication of the decision to the student. The time allowed for a resubmission designated as "major" is six months following the communication of the decision to the student, and involves re-registration by

the student on an appropriate revision fee (at the student's own expense). Students failing laboratory rotations are not permitted to take additional rotations to compensate for this failure. Students who fail coursework are not normally permitted to take additional examinations or to make supplemental submissions; exceptions to this rule may be permitted by the RTMC only for very particular circumstances and where appropriate medical or other professional certification is available, and where the mentor is also willing to make a specific case to the RTMC.

2. To be designated as eligible to proceed to a M.Sc. dissertation, students are required to have passed at least one of the laboratory practice rotations, one of the required written reports and half of any of the designated written examinations that may be required.

3. Students designated as having failed to meet the minimum requirements to proceed to a M.Sc. dissertation are ineligible to proceed further on the programme. To be designated as having failed to meet the minimum requirements, students will not have achieved the minimum passing grade stated for each of the components described under 'Overall academic assessment and progress monitoring' above.

Years 2-4: Choosing a Ph.D. project: Students make their choice after experience in a number of neuroscience topics and therefore the final decision has to be made in the second half of the year. In June, a Ph.D. presentation and review meeting take place. Each PI presents an overview of the Ph.D. proposal and students identify their preferences. Students prepare a detailed Ph.D. research proposal, which should be submitted in early September. The report should be no more than 2,000 words. The RTMC assess and provide feedback on the Ph.D. research proposal in association with the prospective PI. The match between student and potential Supervisor is not assured, as no Supervisor may be compelled to supervise the research work of a student in which the Supervisor does not have the interest, capacity and willingness to supervise. Failure to find an appropriate Supervisor will constitute grounds for non-continuation on the Ph.D. programme, and in this case, students will be designated as "Eligible to proceed to M.Sc. dissertation", and must fulfil the rules stated above for such a thesis.

A thesis advisory committee will monitor the research progress of the student on at least an annual basis. Students are required to produce an annual report and to present an update on their research progress at an annual meeting of TCIN (or at another appropriate internal student assessment forum, as designated by the RTMC).

2.6 *Programme Directors:* Professor Marina Lynch and Professor Shane O'Mara
Programme Co-ordinator: Dr Judith Murphy

3. Doctor in Medicine (M.D.)

3.1 Candidates for the M.D. degree must be M.B. graduates (or acceptable equivalent) of at least 3 years standing. A candidate must either be a graduate of the University of Dublin or have been for at least one year prior to registration a full-time or part-time member of staff of the College, or a formally appointed Research Fellow of the College or a Registrar in one of the teaching hospitals with which the College has a formal association. Application must be made on the official form which may be obtained from the Graduate Studies Office.

3.2 Candidates must receive the approval of the Professional Higher Degree Committee of the School of Medicine, through the Dean of Graduate Studies, for a statement describing the research work which it is proposed to submit, the names of the hospital or department in which the work is being, or has been, done and the names of collaborators, if any. Candidates will also be required to make a statement to the effect that they have read the document 'Doctor in Medicine (M.D.) Guidelines for Candidates' and that the proposal is within the guidelines set out in this document (Copies of this document are available from the Faculty Office, Health Sciences).

3.3 In the case of candidates who are not graduates of the University of Dublin, it will be required that the bulk of the research work which is eventually submitted will have been carried out by them while on the staff of the College or of the Hospital, as the case may be.

3.4 After being informed by the Dean of Graduate Studies that they have been accepted for registration, candidates must pay the fees required and register within the required time on an annual basis.

3.5 The minimum period of research before which a thesis can be submitted is one year from the date of registration, and the maximum period five years. The examiners may require a candidate to attend for a *viva voce* examination.

Two bound copies of the thesis, typewritten or printed, must be sent to the Graduate Studies Office. Information about the presentation of the thesis is available from the Graduate Studies Office.

3.6 In the special case of a distinguished graduate of the University of Dublin who wishes to submit a thesis for the degree of M.D. which is based solely on published work, which must relate to a single theme, the Dean of Graduate Studies may waive the requirement concerning admission to the M.D. register and hence the normal regulations regarding minimum time on the register before submitting a thesis would not apply.

4. Professional Doctorate in Dental Surgery

4.1 *Admission Requirements:* Applicants for the degree must have held a recognised degree in dentistry for at least two years and have documented evidence of having completed a period of general professional training, including one year in a recognised training post. Candidates are normally expected to possess an MFD/MFDS or equivalent.

4.2 *Duration:* The course of study will be three years, full time or five years, part-time.

4.3 *Assessment:* A student is required to attend a course of study and to pass written and clinical examinations in the specialist area chosen. Currently the specialist courses are: Oral Surgery, Orthodontics, Prosthodontics, Paediatric Dentistry, Periodontology and Special Care Dentistry. The student will also be required to attend a course in Advanced Dental Science common to all the disciplines' courses. The main topics of the Advanced Dental Science Course are: Biomedical Sciences, Oral and Related Systemic Disease, Applied Scientific Method, Ethics and Behavioural Sciences.

In addition to the course of study and examinations, a student must present a thesis based on a piece of research in Dental Science or a cognate discipline carried out within the School of Dental Science by the candidate individually or as one of a research team. The contribution made by the student to group research activities must be clearly stated in the thesis and must be substantial.

The Director of Teaching and Learning (Postgraduate) of the School of Dental Science, on the advice of the appropriate Head of Division will assign an academic Supervisor to each student for their research project.

By September 30th of the final year of the course of study, a student must submit two bound and printed copies of the thesis to the Dean of Graduate Studies not later than three years (five years in the case of part-time students). The student will normally be asked to attend a *viva voce* examination on the subject matter of the thesis.

A Professional Doctorate in Dental Science is awarded on passing all components of the course and successfully submitting the completed thesis.

A student whose progress is unsatisfactory either academically or clinically, may be excluded from any further participation on the course at any time by the Dean of Graduate Studies, who will act in Consultation with the Dean of the Dental School and Director of Teaching and Learning (Postgraduate) of the School of Dental Science on the advice of the appropriate Head of Division and the Course Director.

5. Master in Dental Science (M.Dent.Sc.)

- 5.1 A candidate for the degree of M.Dent.Sc. must:
1. Hold the degree of Bachelor in Dental Science of the University of Dublin, *or* hold the degree of Bachelor in Dental Surgery of the National University of Ireland, having trained at the University College Dublin, *or* hold the Licentiate in Dental Surgery of the Royal College of Surgeons in Ireland, *or*
 2. Have been the holder of a primary dental qualification and for at least one year prior to registration have been a full-time or part-time member of staff of the College, or a formally appointed Research Fellow of the College, or have held an appointment in one of the teaching hospitals with which College has a formal association.
- 5.2 A candidate who is not a graduate of the University of Dublin (or of the National University of Ireland or the Royal College of Surgeons of Ireland, as provided for above), must carry out the greater part of the research while on the staff of the College or Dental Hospital.
- 5.3 After being informed by the Dean of Graduate Studies of acceptance for registration, a candidate must pay the fees required and register on the postgraduate register on an annual basis.
- 5.4 The Chairman of the Postgraduate Committee of the School of Dental Science on the advice of the appropriate Head of Division, will assign an advisor to each candidate.
- 5.5 A candidate must present a written report, which must take the form of a thesis based on a piece of original research in dental science or another cognate branch of learning carried out by the candidate individually or as a member of a group. The contribution made by the candidate to a group research activity must be clearly stated in the thesis and be substantial. A candidate will normally be asked to undergo a *viva voce* examination.
- 5.6 In the special case of a distinguished graduate of the University of Dublin who wishes to submit a thesis based solely on published work relating to a single theme, the Dean of Graduate Studies may, following consultation with the Chairman of the Postgraduate Committee of the School of Dental Science, waive the requirements concerning admission to the M.Dent.Sc. register. In these circumstances, the normal regulations governing minimum time on the postgraduate register before submission of the thesis would not apply.
- 5.7 A Candidate must furnish evidence that the requirements stated above have been fulfilled and must submit two copies of the thesis to the Dean of Graduate Studies not earlier than twelve months or later than five years after the date of registration.
- 5.8 *Chairman of the Postgraduate Committee: Professor June Nunn*

6. Master in Dental Surgery (M.Dent.Ch.)

- 6.1 Prior to admission, course participants must have held a recognised degree in dentistry for at least two years and have documented evidence of having completed a period of general profession training, including a period of one year in a training post.
- 6.2 The course of study in any speciality shall be for a minimum of three years full-time.
- 6.3 Students must pay the fees required and register on the postgraduate register within the required time period on an annual basis.

6.4 A student is required to attend a course of study and to pass written and clinical examinations in the specialist area chosen. The current specialist areas are: Orthodontics, Oral Surgery, Prosthodontics, Periodontology, Paediatric Dentistry, Oral Medicine and Oral Pathology.

The student will also be required to attend certain core courses common to all the specialist areas. The main topic areas are: Biomedical Sciences, Oral and Related Systemic Disease, Applied Scientific Method and Behavioural Sciences.

6.5 In addition to the courses of study and examinations, a student must present a written report, which must take the form of a thesis based on a piece of research in dental science or a cognate discipline carried out within the School of Dental Science by the candidate individually or as one of a group. The contribution made by the student to group research activities must be clearly stated in the thesis and must be substantial.

6.6 The Chairman of the Postgraduate Committee of the School of Dental Science on the advice of the appropriate Head of Department will assign an academic Supervisor to each student for their research project.

6.7 A student must furnish evidence that the requirements stated above have been fulfilled and must submit two bound and printed copies of the thesis to the Dean of Graduate Studies not later than three years after the date of registration. An extension to this period may be granted in extenuating circumstances by the Dean of Graduate Studies, after approval by the Chairman of the Postgraduate Committee of the School of Dental Science on the advice of the appropriate Head of Department. The student will normally be asked to undergo a *viva voce* examination on the subject matter of the thesis.

6.8 A student whose progress is unsatisfactory, either academically or clinically, may be excluded from any further participation in the course at any time by the Dean of Graduate Studies, who will act in consultation with the Dean of Dental Affairs and Chairman of the Postgraduate Committee of the School of Dental Science on the advice of the appropriate Head of Division.

6.9 *Applications:* No new applicants are being admitted to this course.

6.10 *Chairman of the postgraduate committee:* Professor June Nunn

7. Master in Obstetrics (M.A.O.)

7.1 A candidate for the M.A.O. degree must be an M.B. graduate (or acceptable equivalent) of at least 3 years standing. A candidate must either be a graduate of the University of Dublin or have been for at least one year prior to registration a full-time or part-time member of staff of the College, or a formally appointed Research Fellow of the College, or a Registrar in one of the teaching hospitals with which the College has a formal association. Application must be made on the official form which may be obtained from the Graduate Studies Office.

7.2 Candidates must receive the approval of the Professional Higher Degree Committee of the School of Medicine, through the Dean of Graduate Studies, for a statement describing the research work which it is proposed to submit, the names of the hospital or department in which the work is being, or has been, done and the names of collaborators, if any.

7.3 In the case of candidates who are not graduates of the University of Dublin, it will be required that the bulk of the research work which is eventually submitted will have been carried out by them while on the staff of the College or of the Hospital, as the case may be.

7.4 After being informed by the Dean of Graduate Studies that they have been accepted for registration, candidates must pay the fees required and register within the required time on an annual basis.

7.5 The minimum period of research before which a thesis can be submitted is one year from the date of registration, and the maximum period five years. The examiners may require a candidate to attend for a *viva voce* examination.

Two bound copies of the thesis, typewritten or printed, must be sent to the Graduate Studies Office. Information about the presentation of the thesis is available from the Graduate Studies Office.

7.6 *Head of Department:* Professor Brian Sheppard

8. Master in Surgery (M.Ch.)

8.1 Candidates for the M.Ch. degree must be M.B. graduates (or acceptable equivalent of at least 3 years standing). A candidate must either be a graduate of the University of Dublin or have been for at least one year prior to Registration a full-time or part-time member of staff of the College, or a formally appointed Research Fellow of the College, or a Registrar in one of the teaching hospitals with which the College has a formal association. Application must be made on the Official Form which may be obtained from the Graduate Studies Office.

8.2 Candidates must receive the approval of the Professional Higher Degree Committee of the School of Medicine, through the Dean of Graduate Studies, for a statement describing the research work which is proposed to submit, the names of the hospital or department in which the work is being, or has been, done and the names of collaborators, if any.

8.3 In the case of candidates who are not graduates of the University of Dublin, it will be required that the bulk of the research work which is eventually submitted will have been carried out by them while on the staff of the College or of the Hospital as the case may be.

8.4 After being informed by the Dean of Graduate Studies that they have been accepted for registration, candidates must pay the required fees and register within the time allowed on an annual basis.

8.5 The minimum period of research before which a thesis can be submitted is one year from the date of registration, and the maximum period five years. The examiners may require a candidate to attend for a *viva voce* examination.

Two bound copies of the thesis, typewritten or printed, must be sent to the Graduate Studies Office. Information about the presentation of the thesis is available from the Graduate Studies Office.

8.6 A candidate for the M.Ch. who has not been admitted to Fellowship of one of the Royal Colleges of Surgeons, will not be permitted to present the thesis until s/he has been admitted. The Dean of Graduate Studies may grant exemption from this requirement in special cases; *e.g.* those involving obstetricians or individuals whose higher professional training has been obtained outside Ireland or the United Kingdom.

8.7 In the special case of a distinguished graduate of the University of Dublin who wishes to submit a thesis for the degree of M.Ch. which is based solely on published work, which must relate to a single theme, the Dean of Graduate Studies may waive the requirement concerning admission to the M.Ch. register and hence the normal regulations regarding minimum time on the register before submitting a thesis would not apply.

M.Sc. Courses

9. Biomedical Sciences (Intercalated) (M.Sc./P.Grad.Dip.)

9.1 *Introduction:* This intercalated MSc in Biomedical Sciences provides medical students with the option of taking an M.Sc. after year three of the M.B. degree. At year three students will have qualified for a B.A. However, this degree is not normally awarded until the students are conferred with their final M.B. The intercalated Masters will also be conferred at this point.

9.2 *Duration:* 2 years part-time.

9.3 *Course Structure:* In the first year the students will take a Core Module in Research Skills based in the School of Medicine and concurrently follow one of three specialist tracks, which will be provided by the actual modules as offered by the currently running three Masters courses (i) the MSc in Molecular Medicine, (ii) the MSc in Neuroscience, or (iii) the MSc in Bioengineering. In the second, clinical year, when they are also back on the undergraduate register, students will be assigned a hospital placement where they will be able to apply their research knowledge learnt in Year 1. During this year they will be under the research supervision of a clinician from the School of Medicine. Each student will submit their final dissertation, which will be a literature review analysis focused on the molecular mechanisms of disease(s) studied within chosen discipline. A Pass mark in all three required sections (Core Module, Specialisation Track and Dissertation) will result in the awarding of MSc in Biomedical Sciences. If the student does not pass the dissertation component, but successfully passes the taught components, the award of Postgraduate Diploma will be awarded.

Core Module

- Research skills (15 ECTS)

Specialisation Track Modules (Bioengineering)

- Introduction to Bioengineering Science (5 ECTS)
- Biomechanics (10 ECTS)
- Biomaterials I and II (10 ECTS)
- Bioinstrumentation I and II (10 ECTS)
- Cell and Tissue Engineering (5 ECTS)
- Rehabilitation Engineering (5 ECTS)

Specialisation Track Modules (Neurosciences)

- Neuropharmacology & Drug Development (10 ECTS)
- Advanced Neuroimmunology (5 ECTS)
- Neuroimaging Technology (5 ECTS)
- Current Topics & Techniques in Neuroscience (15 ECTS)
- Experimental Neuroscience (10 ECTS)

Specialisation Track Modules (Molecular Medicine)

- Introductory cell biology and cell signaling mechanisms (5 ECTS)
- Genetics in Health and Disease (10 ECTS)
- Molecular and cellular immunology (5 ECTS)
- Molecular Oncology (5 ECTS)
- Infectious agents biological and clinical applications (5 ECTS)
- Molecular mechanisms of human disease (5 ECTS)
- Neurobiology (5 ECTS)
- Molecular medicine diagnostic and therapeutic potential (5 ECTS)

Project Work and Dissertation (30 ECTS)

9.4 *Assessment:* The Core Module and Specialisation Tracks are assessed by means of Written Examinations and Assignments. General College regulations apply with regards to examinations and coursework. The student must pass all examinations and assignments. The pass mark for examinations and assignments is 50%. A dissertation relevant to the applications of Biomedical Sciences must be submitted and passed as assessed by an External examiner.

Both components (Coursework and Dissertation) must be passed for the degree of Masters in Biomedical Sciences to be awarded. No compensation between these two elements is available. Successful completion of the course work (i.e. a pass in all components), but not the dissertation,

will result in a Postgraduate Diploma being awarded to the student. Should a Diploma award be made, the graduate cannot re-register for the course in order to complete it for the Masters in Biomedical Sciences degree. An external examiner monitors the assessment process.

9.5 *Location:* The core Research skills module and the Molecular Medicine specialist track will be taught at the Trinity Centres for Health Sciences at St. James's Hospital. The Neuroscience specialist track will be taught at the Trinity Centre for Neuroscience (TCIN), TCD main campus. The Bioengineering specialist track is run on an all-Ireland basis with centres at Trinity College Dublin, the University of Limerick, University College Dublin and the University of Ulster, Coleraine. Courses will be taught partly in one-week intensive modules, for which students will visit the other centres, and partly by distance learning using the internet.

9.6 *Course Director:* Dr Aideen Long

Course Track Coordinators:

Core:	Dr. Aideen Long
Molecular Medicine:	Dr. Aideen Long
Bioengineering:	Dr. Ciaran Simms
Neuroscience:	Dr. Thomas Connor

10. Cardiac Rehabilitation (M.Sc./P.Grad.Dip.)

10.1 *Introduction:* This course aims to provide health professionals with an understanding of cardiac rehabilitation, prepare health professionals to provide an effective cardiac rehabilitation service and to objectively evaluate their clinical practice through research.

10.2 *Admission requirements:* Applicants to the course should normally be:

1. Chartered Physiotherapists or equivalent professional qualifications with relevant professional experience; or
2. Nurses eligible for registration with Bord Altranais and professional experience; or
3. Physicians with relevant professional experience.

Applications from other health care professions may be considered.

Applicants meeting these requirements will be interviewed. Applicants may be required to take a test of English language proficiency.

10.3 *Duration:* The course is two years, part-time.

10.4 *Course structure:* The course consists of the following components:

1. Cardiovascular Physiology
2. Cardiology and Cardiac Rehabilitation
3. Research Methodology
4. Data Analysis
5. Journal Club
6. Management Issues
7. Health Informatics
8. Clinical practice in the area of Cardiac Rehabilitation
9. A research dissertation in the area of Cardiac Rehabilitation.

10.5 *Satisfactory progress:* Students whose progress is unsatisfactory either academically or clinically, may be excluded from any further participation in the course at any time by the Dean of Graduate Studies, who will act in consultation with and on the advice of the Course Co-ordinator.

10.6 *Assessment:* Candidates are assessed on the basis of:

- Year 1* Two literature reviews
A mini project
A written examination
- Year 2* Submission of a dissertation of 18,000-25,000 words. Attendance at a *viva voce* may be required.
- Both years will be externally assessed.

10.7 *Location:* The course will be taught in Trinity main campus and the Trinity Centres in AMINCH and St. James's Hospital.

10.8 *Course Co-ordinator:* Dr. John Gormley

11. Cardiology (M.Sc.) (There is no intake in 2007/2008)

11.1 *Introduction:* This course is designed to provide a high level of postgraduate training for doctors interested in becoming cardiologists. The course aims to provide the theoretical knowledge, technical skills and research skills necessary to run a comprehensive cardiac service.

11.2 *Admission Requirements:* All applicants must have completed the degree of M.B. or M.D. depending on their country of origin. The qualification of M.R.C.P.I. or equivalent is desirable. Admission will be on the strength of the written application and may include an interview with the course director.

11.3 *Duration:* The course is three years, full-time. The students will be based in St. James's Hospital, Dublin 8.

11.4 *Course Outline:* The course consists of the following components:

1. Lectures during the first two years with an assessment at the end of each year;
 2. Practical procedures in the management of the cardiac patient, taught over three years and clinically supervised;
 3. A research project in the third year.
- The emphasis throughout will be on practical hands-on training and no more than six students will be enrolled at any one time.

11.5 *Satisfactory Progress:* Students whose progress is unsatisfactory either academically or clinically, may be excluded from any further participation in the course at any time by the Dean of Graduate Studies, who will act in consultation with, and on the advice of, the Course Co-ordinator.

11.6 *Project/Dissertation:* During the first two years of training, a research project will be chosen by each student in consultation with the course co-ordinator. The time at which this project is commenced, which may or may not be before the third year, will be mutually agreed.

11.7 *Examinations:* The course will be assessed by:

1. An examination paper relating to the course of lectures at the end of years 1 and 2
 2. Continual assessment of clinical competence in cardiac procedures
 3. Assessment of the individual research project/dissertation.
- Examinations and project/dissertation will be externally assessed.

11.8 *Course Co-ordinator:* Dr Niall Mulvihill

12. Child and Adolescent Psychoanalytic Psychotherapy (M.Sc.)

(There is no intake in 2007/2008)

12.1 *Introduction:* The form of Child Psychotherapy proposed for the course is based on an application of psychoanalysis. This course has been designed to meet the rapidly growing needs for a post-qualification training in child psychotherapy with particular reference to disturbed children and adolescents. It will be particularly relevant for professionals working with disturbed children and adolescents. The aim of the course is to provide theoretical and practical training in Child and Adolescent Psychotherapy at an advanced level with particular emphasis on communication and change in individuals and groups including children, adolescents, their families, institutions and organisations.

12.2 *Duration:* The course is part-time and will extend over three years.

12.3 *Course Structure:* It will consist of formal lectures and seminars on psychoanalytic theory and practice. In addition the students will engage in psychoanalytic psychotherapy of children and adolescents, under supervision as well as infant parent observation, under supervision. Each student will be required to have personal psychoanalytic psychotherapy. A research project will be an essential part of the course and there will be a written and oral examination at the end of the course.

12.4 *Course Directors:* Professor Michael Fitzgerald and Dr Mary Smith

13. Clinical Chemistry (M.Sc./P.Grad.Dip.)

13.1 *Introduction:* This M.Sc. programme in Clinical Chemistry is offered on a part-time basis over 2 years. All students regardless of background will gain a comprehensive understanding of the principles of Clinical Biochemistry to an advanced level.

13.2 *Course Structure:* Lectures, case discussions and practical instruction workshops will take place on Fridays over 5 terms. Six Modules will cover the entirety of the subject: Clinical Chemistry I and II, Endocrinology and Metabolism I and II, Quality Assurance and Laboratory Management, and a Revision Module in the final term. Students will carry out research in their base laboratory for the dissertation throughout the course and will be required to submit an outline proposal for the subject of their dissertation by the end of the first term.

13.3 *Assessment:* A final written examination consisting of 2 written papers, a practical assessment and a *viva voce* will be held in the fifth term. The practical assessment will consist of short questions including clinical observations, practical findings, calculations, and other material in the format known as an Objective Structured Pathology Exercise (OSPE). Students will also need to complete and submit a research dissertation of approximately 12,000 words by September of their final year. A pass must be obtained in the dissertation in order to be awarded the M.Sc. (no compensation is allowed). The written components must also be passed, though compensation is allowed between components. Students who pass all components of the assessments but who do not submit a successful dissertation may be awarded a Diploma but not the M.Sc. Use of the Diploma exit option will prevent the student from returning to the course to register to continue for the M.Sc. option at any later stage.

13.4 *Course Co-ordinator:* Dr Gerard Boran

14. Community Pharmacy (P.Grad.Dip./M.Sc.)

14.1 *Introduction:* These courses are intended to help community pharmacists to develop their clinical, managerial and research skills, meet duties imposed by Clause 9 of the Community Pharmacy Contractor Agreement, extend their professional role and contribute to patient care as part of the primary health care team. Because of the distance-learning format, participants can continue in full-time employment throughout the courses.

- 14.2 *Admission Requirements:* Candidates must be
1. registered (entitled to registration) as a Pharmaceutical Chemist with the Pharmaceutical Society of Ireland
 2. currently employed (full-time/part-time) in community pharmacy.
- 14.3 *Course Structure:* Participants initially enter at diploma level, and on successful completion of core material they may choose either to graduate with a Postgraduate Diploma in Community Pharmacy or to apply to transfer to the M.Sc. in Community Pharmacy.
- Core material comprises a series of modules covering clinical, social and business aspects of pharmacy practice, with opportunities for specialisation in particular fields. Pharmacists who advance to M.Sc. level undertake an additional module on research methods and perform a research project relevant to community pharmacy practice.
- 14.4 *Duration:* Both courses are available on a part-time basis. The Postgraduate Diploma is conducted over two years, with one additional year for students who progress to the M.Sc.
- 14.5 *Assessment:* Core material is assessed on a continuous basis with written assignments and practice-based workbooks, and written examinations are held on completion of Year 1 and Year 2. M.Sc. candidates must present their research both orally and as a written dissertation (18,000 - 20,000 words).
- 14.6 *Course Co-ordinator:* Ms Sheila Ryder

15. Exercise Physiology (P.Grad.Dip./M.Sc.)

- 15.1 *Introduction:* The courses aim to provide professionals in the workplace with a solid basis of understanding of how the body responds to exercise, both acutely and during training, and to give them a grounding in the use of modern technologies for monitoring and assessing exercise performance.
- 15.2 *Admission Requirements:* To be eligible for admission, applicants must hold a tertiary qualification with some grounding in human biology. Other things being equal, preference will be given to candidates who are employed in the field of physical education or as health professionals involved with patient management. Candidates with insufficient biological background may be required to undertake a lecture unit in basic physiological principles during the year before entry. Only a limited number of places will be available in any one year.
- There is an initial common year of taught courses for both the Postgraduate Diploma in Exercise Physiology and the M.Sc. in Exercise Physiology. Successful completion of this coursework with an overall honors grading is the requirement for entry to a second year, leading to the Masters degree.
- 15.3 *Duration:* P.Grad.Dip.: One calendar year part-time, usually two days/week (Mon. and Fri.) during teaching terms. M.Sc.: Two calendar years part-time; the first year usually two days/week (Mon. and Fri.) during teaching terms, the second year (following honors grading in first year coursework) part-time, equivalent of two days/week. Students register on the Postgraduate Diploma in the first instance.
- 15.4 *Course Structure:*
- Year one: Instruction will consist of approximately 260 contact hours devoted to taught courses in cellular and systemic aspects of nerve, muscle, metabolic, thermal, nutritional, circulatory, respiratory and endocrine physiology, with an emphasis on practical applications to human exercise, lectures and seminars on the basics of data acquisition, recording and analysis, including the critical evaluation of published works and courses on sports injuries, first aid and resuscitation. Normally lectures and workshops will take place in the mornings, during all three academic terms and some afternoons will be devoted to laboratory work. Students who have passed the assessment procedures for year one are eligible to leave the course at this stage and graduate with a Postgraduate Diploma.

Students who have achieved an overall honors grading in the assessments for this year may, alternatively, elect to pursue the second year's part-time study towards a Masters degree.

Year two: The second year of the course will consist primarily of a research project on some aspect of exercise physiology. Projects will be chosen in consultation with an expert Supervisor, with consideration being given to individual candidates' interests. Practical work will be expected to occupy of the order of 300 hours. Organisation of the research will be a matter of negotiation between student and Supervisor, dependent on the time commitments of each. Meetings between student and Supervisor will take place on a regular basis, usually weekly but at least once per month.

15.5 *Assessment:*

Year one: All components of the course must be passed. Assessment of the lecture course will be by written examination at the end of the academic year (two 3-hour papers). Progressive assessment within individual subjects will occur throughout the year, and may take the form of essays, projects and/or laboratory reports. All students must attend a *viva voce* examination following the end of year written papers.

Year two: Assessment of the research project will be by dissertation (not more than 25,000 words) which would be expected to be submitted within one year of enrolment.

All examinations are externally moderated.

15.6 *Course Director:* Dr Stuart Warmington

16. Gerontological Nursing (M.Sc./P.Grad.Dip.)

16.1 *Introduction:* The aim of this course is to strengthen and develop the knowledge, skills and attitudes of participants, thus enabling them to fulfil their highest potential in both their personal and professional lives. The students are enabled to further develop the skills necessary to critically evaluate and to undertake research which underpins nursing practice.

16.2 *Admission Requirements:*

1. Current registration as a nurse on the active register with An Bord Altranais; and
2. A minimum of two years full-time or equivalent recent clinical nursing practice since first registration; and
3. Hold an honors degree in Nursing Studies or equivalent; or
4. Otherwise satisfy the course committee that they have the ability to complete and benefit from the course.

16.3 *Duration:* Two years, part-time.

16.4 *Course structure:* Year one: The course comprises both academic and clinical components. Each of the two components must be completed successfully. The students will be employed full-time in the Department of Medicine for Older People, St James's Hospital, Dublin, or in other approved clinical locations. All students are required to successfully complete five modules (two specialist modules and three core modules).

Year two: The course will commence with one full study week followed by one to two study days per week throughout the academic year. All students are required to successfully complete three modules (two specialist modules and one core module).

16.5 *Assessment and examinations:* A combination of assessment strategies is used to assess the learning outcomes for the programme. In the second year a research dissertation must be submitted. The pass mark for all assessments is 50%. Each module must be passed independently and all practice assessments must be passed without compensation. If a student fails a module on the second attempt, this indicates failure of the whole course.

16.6 *Progression:* All students register on the M.Sc. course in the first instance. To progress to the second year of the course students must successfully complete all the requirements of the first year. Students, who do not already hold a Postgraduate Diploma in Gerontological Nursing may, following consultation with the Course Co-ordinator, opt not to proceed to the second year of the

course and be awarded the Postgraduate Diploma in Gerontological Nursing. Any student, on successful completion of all course requirements, who chooses to opt for the Postgraduate Diploma may not apply at a later date to enter the second year of the M.Sc. course.

16.7 *Course Co-ordinator:* Ms Anna Watson

17. Global Health (M.Sc.)

17.1 *Introduction:* Global Health is an attempt to address health problems that transcend national boundaries, may be influenced by circumstances and experiences in other countries, and are best addressed by co-operative actions and solutions. The underlying assumption is that the world's health problems are shared problems and are therefore best tackled by shared solutions.

M.Sc. in Global Health builds on the experience of the discontinued Masters in Public Health/International Health. The new course is aimed at applicants from a wide range of disciplines and professions who wish to develop an understanding of health issues that integrate health and social science perspectives in a global context. The 'academic tools' provided by the course should allow students to appreciate the broader and interlocking contexts of many health problems and to critically reflect on the interplay between global and local issues and their impact on health, and also to appreciate the global interconnectedness of health problems and the range and depth of research methodology that can be used to work through these challenges.

Taking cognisance of the programme's location in Ireland the course also emphasises some of Ireland's own particular 'local' experience that resonates globally. These include the influence of poverty and rapid social change on health and identity in Ireland; migration and refugee welfare, the consequences of ethnic conflict, the peace process and the challenges of reconciliation for creating inclusive health services.

The strongest emphasis within the course is however placed on health in developing countries. While this incorporates some aspects of our previous International Health programme the course also includes a stronger emphasis on the influence of socio-cultural, economic and health policy issues.

17.2 *Course Outline:* The programme has 5 core modules, 1 compulsory supplementary module, a choice of 3 from 6 specialised options, plus a research dissertation.

Core Courses – Term 1

Researching Global Health (Term 1 and Term 2)

Methods (surveys, interviews, focus groups, needs assessment, stakeholder analysis, action research, participatory learning and action, logical framework analysis etc.) epidemiology, public health, statistics.

Determinants of Health (Term 1)

Poverty, gender, ethnicity, public health, political and economic systems, disease burden, environmental factors, conflict, migration.

Economics and Financing of Health (Term 1)

Development economics, financing, public-private partnerships, the role of Foundations, international trade talks, role of OECD donors in determining/supporting international health policy.

Policy and Systems: Global and Country Level Perspectives (Term 1)

Health and the MDG's, policy formation, implementation and evaluation, international architecture of health planning and research, UN system, key international agencies and their interrelationships and politics, key academic and research institutions, determination of research agenda, country level political commitment, PRSP's, multi-sectoral approaches, determinants of health sector allocations, roles of government, private sector, civil society, donor agencies, vertical programmes and sustainable health systems, evidence based practice.

Key Skills in Global Health (Term 1)

Including scientific writing, critical thinking, writing proposals for applications/grants, writing a dissertation, communication research to the public, negotiation, self-management, computer skills.

Options – Term 2

Only options with six or more students would be viable. Those listed below may be added to or subtracted from depending on demand and availability to requisite expertise. Shared options with germane postgraduate programmes such as Race and Ethnic Studies, International Peace Studies, Health Services Management may be explored.

Practitioner and Research Seminars (Compulsory)

Researchers and field practitioners are invited to present their work followed by in-depth constructive critical reflection on it facilitated by a staff member:

Tropical Medicine
Nutrition
Reproductive Health & HIV/AIDS
Evaluating Health Impact
Public Health in complex emergencies
Human Dynamics of Co-operation
Global Health and Ageing
Human Rights, Conflict and Migration
Indigenous health practices

Research Project – Term 3 and through to September

This could be undertaken for instance with DCI, UN agencies, NGOs in Ireland and elsewhere and/or with 'partner' universities in developing countries. Where possible and where desired, students would be encouraged to do their dissertation on 'in-country' research.

17.3 *Assessment:* All core and optional courses taken must be passed. This requires getting a minimum of 40% in any one course and an average across all courses of 50%. Assessment of the courses will be done by assignment. Assessment of the research project will be by dissertation (not more than 20,000 words) which would be expected to be submitted by September of the year after enrolment.

17.4 *Course Co-ordinator:* Dr Adebola Adedimeji

18. Health Informatics (P.Grad.Dip./M.Sc.)

See entry 13 in the Faculty of Engineering, Mathematics and Science for further details.

19. Health Services Management (M.Sc.)

19.1 *Introduction:* The programme harnesses the core values of commitment, caring and co-operation in professional clinical practice with management principles and methods relevant to the healthcare setting.

Particular emphasis will be placed on the importance of interdisciplinary exchange within small group settings. Case studies and class discussion facilitate the application of learning and ensures that the programme imparts a theoretical framework of understanding whilst maintaining a practical focus. The programme is continually updated to reflect developments occurring within our rapidly changing healthcare environment. A key feature within our programme is the relatively small class size, which enables us to optimise learning for individual students.

19.2 *Admission Requirements:* The programme is intended for suitably qualified applicants currently working in positions with planning or management responsibility in health service

organisations. This programme will be beneficial to those who have responsibility for the organisation and delivery of services.

Applications for admission will be considered from those with health service management experience. In addition, applicants should hold a good honors degree in a professional discipline or an equivalent qualification or hold other qualifications deemed appropriate by the course committee. Short listed applicants may be interviewed.

19.3 *Duration:* The programme commences in October and extends over two years. It is designed as three-day blocks per month to facilitate work release.

Year One: October – June: Ten blocks of three days per month.

Year Two: October – June: Ten blocks of three days per month, excluding July and August

Each working day shall be six hours.

19.4 *Programmes of study:* The programme offers a comprehensive coverage of subjects relevant to health services management. Modules include: Management and Organisation Behaviour, Population Health, Human Resources Management, Financial Management, Health Economics, Law, Marketing, Health Policy, Management Research, Strategic Management, Comparative Healthcare and Ethics.

19.5 *Assessment:* Candidates will be assessed by a combination of critical papers submitted throughout the programme and the writing of a dissertation, which will be 15,000-20,000 words in length.

The student must pass the required course-work in the first year and his/her dissertation proposal must be deemed acceptable prior to progression to the second year. The dissertation will involve the conduct of research in health services management and should add value to the service or organisation that is researched.

Students will be allowed one re-submission in the event of a failed assignment. Students may also be allowed one re-submission of a revised dissertation. Students must successfully complete all assignments and the dissertation within 4 years from the date of their commencement of the programme in order to be eligible for the award of the M.Sc. degree. Students must register for each year of the course prior to submission. Students who plan to submit their dissertation beyond year 2 must apply to re-register for the academic year in which they are submitting.

19.6 *Course Director:* Ms Eilish McAuliffe

Course Coordinator: Ms Mandy Lee

Course Administrator: Ms Donna Carter-Leay

20. Hospital Pharmacy (M.Sc.)

20.1 *Introduction:* The M.Sc. in Hospital Pharmacy is designed to enhance the knowledge and skills of hospital pharmacists, by providing a formal course under the auspices of the School of Pharmacy, Trinity College, Dublin. It is a two-year, largely hospital based course, consisting of eight modules. The course aims to provide experience in all aspects of hospital pharmacy including clinical pharmacy, dispensary and drug distribution, administration and management, aseptic compounding, pharmacoconomics and medicines information.

20.2 *Admission Requirements:* Eligible candidates must hold a first or second class honors degree in pharmacy and be employed in hospital pharmacy. The intake to the course will be biennial and restricted in number with a commencement date in January (next intake 2008).

20.3 *Duration:* This is a two-year, part-time course with lectures and tutorials taking place on one half day per week in a central location.

20.4 *Course Structure/Content:* The programme consists of formal lectures, seminars, tutorials and workshops. The modular content of the M.Sc. is divided into: Practice of Hospital Pharmacy, Therapeutics, Aseptic Compounding and Good Manufacturing Practice, Immunology and Biotechnology, Health Services Management, Research and Methodology. Intensive practical

experience will be gained by each candidate during his or her hospital clerkship under the guidance of an assigned tutor(s). In addition, each student is required to undertake and present a thesis on an approved research project.

20.5 *Assessment:* Assessment of the course will include written examinations, written assignments, oral presentations and the written dissertation (approximately 20,000 words in length). For the award of the M.Sc., candidates must satisfy the examiners in both the taught and research components of the course. Compensation within a module is possible but compensation between modules is not. A *viva voce* examination will be conducted by the external examiner.

20.6 *Course Co-ordinator:* Ms Niamh McMahon

21. Mammalian Cell Physiology (M.Sc.)

21.1 *Introduction:* This course is designed for individuals who wish to expand their knowledge of cellular physiology and improve their theoretical and practical understanding of laboratory techniques, with a view to employment in the pharmaceutical industry or biomedical research. The course will appeal to biologists who have limited experience in cell and tissue physiology and wish to develop an interest in this branch of biology, and mature students who wish to return to a laboratory career and require training in recent developments in cell function and analysis.

21.2 *Admission requirements:* To be eligible for admission, candidates must hold a third level qualification. Application for admission will be accepted, subject to availability, from candidates who have a degree in Biological Science *or* a Diploma in Biological Science *or* otherwise satisfy the course admission committee that they have the ability to complete and benefit from the course. Normally, candidates should have achieved at least an upper second class honors degree or its equivalent. Due to constraints on the number of research projects that can be accommodated, only a limited number of places will be available in any one year.

21.3 *Duration:* One calendar year, full-time.

21.4 *Course structure:* During the Michaelmas and Hilary Terms, students will take a series of lectures, laboratory sessions, seminars and workshops, involving approximately 250 contact hours. Themes covered during these units will include: pathways involved in intracellular and intercellular signalling, principles of drug action, techniques for research in cell physiology, legislation relating to the handling and care of laboratory animals, use of information technology and literature analysis, assessment and analysis of quantitative data and preparation and presentation of written and oral research reports.

Over the period April-August, each student will undertake in-depth experimental analysis of an individual research problem. The practical work associated with this project will be of the order of 400 hours. During this period, students will be supervised on a day to day basis by a member of the teaching staff.

21.5 *Assessment:* Taught material will be examined by means of three 3-hour examination papers at the end of Hilary Term, together with in-course assessment based on a 5,000 word essay, practical laboratory reports and performance in the journal club workshop. The research component will be assessed by dissertation (approximately 30,000 words), which should be submitted by the last day of September in the year of enrolment. Both taught and research components must be passed in order for a candidate to pass the year.

Examinations and dissertations will be externally moderated.

21.6 *Course Co-ordinator:* Dr Veronica Campbell

22. Medical Imaging (M.Sc.)

22.1 *Introduction:* This course provides an opportunity for those candidates who have successfully completed either the Postgraduate Diploma in Nuclear Medicine or the Postgraduate Diploma in Magnetic Resonance Imaging Technology to carry out a substantial piece of research work and to present this in the form of a dissertation for the M.Sc. in Medical Imaging.

22.2 *Admission Requirements:* Application for admission will be accepted, subject to places being available, from:

1. those who have successfully completed the course-work and assessments for the Postgraduate Diploma in Nuclear Medicine to distinction level; or
2. those who have successfully completed the course-work and assessments for the Postgraduate Diploma in Magnetic Resonance Imaging Technology to distinction level; or
3. those who otherwise satisfy the course admission committee that they have the ability to complete and benefit from the course. This may be determined by an interview process, at the discretion of the admission committee.

22.3 *Duration:* The postgraduate diploma course takes place in one academic year, with the M.Sc. extending over a further year. The course is timetabled so as to facilitate students in full-time employment.

22.4 *Course Structure:* The postgraduate diploma year will incorporate both taught and practical components, with the taught component forming a substantial part. The M.Sc. will incorporate a short taught component in the form of the common modules in research methodology and ethics, but will essentially be a research orientated degree. Candidates will be required to complete a substantial research project leading to a dissertation.

22.5 *Assessments:* This dissertation presented by the candidate will be subject to the College's standard assessment process, which will include oral examination by external and internal examiners.

22.6 *Location:* In hospitals and other institutions as appropriate.

22.7 *Course Co-ordinator:* Ms Bernadette Moran

23. Mental Health (M.Sc./P.Grad.Dip)

23.1 *Introduction:* The aim of this inter-disciplinary course is to provide an opportunity for students to develop a sound academic base to their practice and to critically explore and critique mental health services.

23.2 *Admission Requirements:*

1. be currently working in mental health/mental illness field; and
2. have a minimum of two years recent experience in the area of mental health/mental illness; and
3. normally hold an honours degree in a relevant discipline; or
4. otherwise satisfy the selection panel that they have the ability to complete and benefit from the course.

23.3 *Duration:* The course will be offered on a two-year, part-time or a one year full-time basis.

23.4 *Course structure:* The course will commence with one full study week followed by one to two study days per week throughout the academic year. All students are required to complete all modules.

23.5 *Progression:* All students register on the M.Sc. course in the first instance. To progress to the second year of the programme students must successfully complete all the requirements of the first year programme as detailed in the course handbook.

Students may, following consultation with the course coordinator, opt not to progress to the second year of the programme. If a student chooses such an option, the student will be eligible for the award of a Postgraduate Diploma in Mental Health. Any student who chooses to opt for a Postgraduate Diploma may not apply at a later date to enter the second year of the M.Sc. course.

23.6 *Assessment and examinations:* A combination of assessment strategies is used to assess the learning outcomes for the programme. In the second year a research dissertation must be submitted. The pass mark for all assessments is 50%. Each module must be passed independently and all practice assessments must be passed without compensation. If a student fails a module on the second attempt, this indicates failure of the whole course.

23.7 *Course Co-ordinator:* Mr Michael Brennan

24. Midwifery (M.Sc./P.Grad.Dip. Professional Midwifery Studies)

24.1 *Introduction:* This course is designed to provide a solid academic base to the understanding and development of midwifery care. Graduates of this programme will be expected to provide quality midwifery care and promote and develop excellence in their practice setting. The course provides advanced study in research methods, in addition to advancing the theoretical and practical aspects of management, clinical practice and education in midwifery.

24.2 *Admission Requirements:*

1. Registration as a midwife with An Bord Altranais.
2. A minimum of two years full-time recent clinical midwifery practice since registration as a midwife. In the case of the Clinical Health Sciences Education strand of the course, students are required to have 3 years clinical experience since first registration which must include experience of interaction with midwifery students or learners; and
3. An honors degree in midwifery or a related discipline **or** equivalent professional and academic qualification; or
4. Otherwise satisfy the course committee that they have the ability to complete and benefit from the course.

24.3 *Duration:* The course will be offered on a two-year, part-time or a one calendar year full-time basis.

24.4 *Course structure:* The course will commence with one full study week followed by one to two study days per week. The programme consists of both core and optional modules. While students may choose which optional model they wish to take, all core modules are compulsory. In addition, modules specific to particular strands on the programme must be completed.

24.5 *Assessments and examinations:* A combination of assessment strategies is used to assess the learning outcomes for the programme. In the second year a research dissertation must be submitted. The pass mark for all assessments is 50%. Each module must be passed independently and all practice assessments must be passed without compensation. If a student fails a module on the second attempt, this indicates failure of the whole course.

24.6 *Progression:* All students register on the M.Sc. course in the first instance. To progress to the second year of the programme students must successfully complete all the requirements of the first year programme as detailed in the course handbook.

Students who do not hold a Postgraduate Diploma in Professional Midwifery Studies, may following consultation with the course co-ordinator, opt not to progress to the second year of the programme. If a student chooses such an option, an additional module must be successfully completed before the student will be eligible for the award of a Postgraduate Diploma in Professional

Midwifery Studies. Any student who chooses to opt for a Postgraduate Diploma may not apply at a later date to enter the second year of the M.Sc. course.

24.7 *Course Co-ordinators:* Dr Elizabeth A. Curtis, Ms Frances O'Brien and Dr Fintan Sheerin

25. Molecular Medicine (M.Sc.)

25.1 *Introduction:* Increasingly, the techniques of molecular and cell biology are providing insights into the underlying causes of disease, giving rise to the new area of Molecular Medicine. Molecular Medicine, therefore, is set to occupy an ever more central role in the practice of Clinical Medicine as we enter the 21st century. Consequently it is important that those engaged in medical practice or medical research have a detailed knowledge and understanding of the new discipline. This course aims to provide candidates with an understanding of the molecular basis of human disease and its implications for the practice of clinical medicine and research in the health sciences. In addition to a comprehensive theoretical focus, the course will emphasise the practical aspects of molecular medicine, with the objective of ensuring the candidate has the skills necessary to conduct research and critically evaluate the scientific and medical literature. In addition the development of the biotechnology industry requires a synergy between scientific knowledge and business planning. For this reason a block of three optional business modules has been introduced for students interested in the biotechnology industry. Recent years have also witnessed a rapid worldwide advent of nanotechnologies in biomedical sciences, quickly developing from the limited trial stage to recognised and established tools in molecular medicine. In line with this established direction of scientific progress, we now offer two optional nanoscience modules for the applicants wishing to pursue their education in this exciting and challenging area. The complexity of contemporary experimental tasks targeted by the biomedical scientists in academic, research institutions and pharmaceutical companies has boosted the development of high content screening and analysis technologies (HCA). They enable the researcher to monitor and analyse multiple molecular targets in individual cells and populations at sub-cellular resolution level in high throughput detection systems. Applicants willing to strengthen their education in molecular medicine with these powerful cutting edge technologies are given an opportunity to choose three specialised optional modules.

25.2 *Admission Requirements:* Applications are invited from individuals with a primary degree in medicine, dentistry, veterinary, biological sciences and pharmaceutical science. Those with a science degree should have achieved at least a second class, first division honors degree or its equivalent.

25.3 *Course Structure:* The course will be available in a one-year full-time format. It is available as a two-year part-time format only in exceptional circumstances. The course will consist of lectures on cellular biology and molecular genetics as they apply generally to normal cell and tissue function and more specifically to disease processes such as cancer, immune dysfunction, and diseases with an inherited component. It will include modules on molecular signalling and therapeutics, bioinformatics and ethical-legal aspects of the emerging discipline. Specialised blocks of optional modules are also available for individuals interested in the biotechnology industry (3 business modules), nanoscience (2 integrated nanoscience modules) and high content cell analysis (3 HCA modules). These will substitute for the respective number of general molecular medicine modules. There will be ongoing literature reviews, and laboratory practicals in basic molecular and cellular techniques. Candidates will complete a laboratory project of three months (full-time) or six months (part-time) duration.

25.4 *Assessment:* Theoretical understanding of the course contents will be evaluated by written examination. Laboratory practicals will be included in assessing the candidate's proficiency. The assessment will be by a combination of:

1. critical literature review essay submitted during the programme 10%
2. a written examination at the end of the lecture programme 50%
3. assessment of laboratory practicals 10%
4. the writing of a dissertation based on the research project 30%.

An external examiner with a record in the field of molecular medicine will be appointed to ensure the academic excellence of the course. The dissertation will be assessed both by an internal and external examiner. An external examiner appointed by BESS will examine the business module.

25.5 *Course Co-ordinators:* Professor Mark Lawler, Dr Ross McManus, Dr Aideen Long, Dr Yuri Volkov

Business Modules: Dr Gerard McHugh, Professor Colm Kearney

Integrated Nanoscience and High Content Cell Analysis Modules: Dr Yuri Volkov

26. Molecular Pathology (M.Sc.)

26.1 *Introduction:* The aim of this course, which is run jointly with the D.I.T., Kevin Street, is to provide postgraduate education in Medical Laboratory Science for those wishing to pursue a career in this field. The course will provide an advanced programme in the molecular basis of disease and will address the interaction of key areas such as cell biology, molecular genetics and immunology with the aetiology, pathogenesis and investigation of the disease process. While the main content of the course will deal with the broad field of biomedical science, students will in addition, choose modules in specialist subject areas from one of the following:

1. Clinical Chemistry
2. Haematology
3. Clinical Immunology/Transfusion Science
4. Medical Microbiology
5. Cellular Pathology

26.2 *Admission Requirements:* Applicants must have a good honors degree in biomedical science, or related area, or hold Part 1 or Part 2 Fellowship examination of the Institute of Biomedical Science or have a suitable equivalent qualification. Selection for the course may require an interview. Applicants for the part-time course must be employed in an appropriate post in a hospital, veterinary or other suitable laboratory and must provide evidence that project facilities will be available to them. Preference will be given to applicants with two or more years of postgraduate work experience.

26.3 *Course Structure:* The course will be offered on a full-time basis, over one year, and also on a part-time, block-release basis, over two years. The course will commence in October. The course will operate on a student centred approach with tutorials and seminars in addition to a formal lecture/workshop programme.

26.4 *Assessment:* Students will present a portfolio of work throughout the course.

26.5 *Dissertation:* A dissertation or project is a mandatory component of the course and the project will be presented in a traditional dissertation format.

26.6 *Examinations:* A formal examination will be held at the end of the year for the full-time course and at the end of two years for the part-time course. Three papers in total will be taken and assessment marks attained during the course will be included with the final examination mark. To achieve a pass, students will be required to have achieved a satisfactory standard in the project component.

26.7 *Course Co-ordinators:* Dr Frederick Falkiner (T.C.D.) and Dr Jacinta Kelly (D.I.T.)

27. Neuroscience (M.Sc.)

27.1 *Introduction:* The aim of this course is to provide multidisciplinary training in neuroscience topics ranging from molecular to behavioural, to students wishing to develop specialised knowledge and practical expertise in the Neurosciences. The course will appeal to biology graduates that already have a basic understanding of nervous system function, and to psychology graduates whose primary degree was not biology based. The course will also be of interest to those with medical training and want to diversify into research. The course is intended to equip participants with the skills necessary to progress into a career in pharmaceutical, biomedical or neuropsychological research, or to embark on a doctoral research programme.

27.2 *Admission requirements:* To be eligible for admission, candidates must hold a third level qualification. Application for admission will be accepted, subject to availability, from candidates who have a degree in Biological Science, Psychology or Health Sciences. Normally candidates should have achieved at least an upper second class honors degree or its equivalent.

27.3 *Duration:* One calendar year full-time.

27.4 *Course Structure:* During the Michaelmas and Hilary Terms, students will take a series of lectures, laboratory sessions, seminars and workshops, involving approximately 200 contact hours. Themes covered during these units will include: Form and Function of the Nervous System, Biochemical Basis of Neuropharmacology, Neuropharmacology & Drug Development, Neurophysics & Neuroimaging Technology, Advanced Neuroimmunology, Applied Data Handling and Statistics, Practical Neuroscience Workshops, Research Skills, Current Topics in Neuroscience, Journal Club, Literature Review.

Over the period April-August, each student will undertake in-depth experimental analysis of an individual research problem. The practical work associated with this project will be of the order of 600 hours. During this period, students will be supervised on a day to day basis by a member of the teaching staff.

27.5 *Assessment:* Taught material will be examined by means of three 3-hour examination papers at the end of Hilary Term, together with in-course assessment based on a 2500-word essay and seminar presentation, practical laboratory reports, performance in the journal club workshops and the data handling and statistics module. The research component will be assessed by dissertation (normally not more than 25,000 words), which should normally be submitted by the last day of August in the year of enrolment. Both taught and research components must be passed in order for a candidate to pass the year. Examinations and dissertations will be externally moderated.

27.6 *Course Director:* Dr Thomas Connor

28. Nursing (M.Sc./P.Grad.Dip. Professional Nursing Studies)

28.1 *Introduction:* This course is designed to provide a solid academic base to the understanding and development of nursing care. Graduates of this programme will be expected to provide quality nursing care and promote and develop excellence in their practice setting. The course provides advanced study in research methods, in addition to advancing the theoretical and practical aspects of management, clinical practice and education in nursing.

28.2 *Admission Requirements:*

1. Registration as a nurse with An Bord Altranais; and
2. A minimum of two years full-time recent clinical nursing practice or equivalent since first registration. In the case of the 'Advanced Nurse Practice in Emergency Nursing' strand of the course, students are required to have 5 years experience in emergency nursing in the last 8 years. In the case of the Clinical Health Sciences Education strand of the course, students are required to have 3 years clinical experience since first registration which must include experience of interaction with students or learners; and
3. An honors degree in nursing or a related discipline or equivalent professional and academic qualification. In the case of the 'Advanced Nurse Practice in Emergency Nursing' strand of the course, students are also required to hold a post-basic qualification in emergency nursing; or
4. Otherwise satisfy the course committee that they have the ability to complete and benefit from the course.

28.3 *Duration:* The course will be offered on a two-year part-time or a one calendar year full-time basis. The 'Advanced Nurse Practice in Emergency Nursing' strand of the course will be provided on a two year part-time basis only.

28.4 *Course structure:* The Master in Science in nursing encompasses a number of strands. These include nursing, clinical health sciences education (RNT), emergency nursing (advanced nurse practitioner). The course will commence with one full study week followed by one to two study days per week. The programme consists of both core and optional modules. While students may choose which optional model they wish to take, all core modules are compulsory. In addition, modules specific to particular strands on the programme must be completed.

M.Sc. Programme Year One: For the Nursing and Midwifery strands four modules must be completed. For the Clinical Health Sciences in Education strand and the Advanced Nurse Practitioner strand, students must take five modules.

For the Postgraduate Diploma option, students are required to complete five modules (please see section on progression below).

M.Sc. Programme Year Two: Two modules and a research dissertation must be completed. One of these modules is core to the programme and the other is specific to the relevant strand the student is undertaking.

28.5 *Assessments and examinations:* A combination of assessment methods are used to assess the learning outcomes for the programme. In the second year a research dissertation must be submitted. The pass mark for all assessments is 50%. Each module must be passed independently and all practice assessments must be passed without compensation. If a student fails a module on the second attempt, this indicates failure of the whole course.

28.6 *Progression:* All students register on the M.Sc. course in the first instance. To progress to the second year of the programme students must successfully complete all the requirements of the first year programme as detailed in the course handbook.

Students who do not hold a Postgraduate Diploma in Professional Nursing Studies, may, following consultation with the course coordinator, opt not to progress to the second year of the programme. If a student chooses such an option, an additional module must be successfully completed before the student will be eligible for the award of a Postgraduate Diploma in Professional Nursing Studies. Any student who chooses to opt for a Postgraduate Diploma may not apply at a later date to enter the second year of the M.Sc. course.

28.7 *Course Co-ordinators:* Dr Elizabeth A. Curtis, Ms Frances O'Brien and Dr Fintan Sheerin.

29. Occupational Therapy (M.Sc.)

29.1 *Introduction:* This course is offered in the Faculty of Health Sciences by the School of Occupational Therapy.

29.2 *Aim:* The main aim of this course is to encourage the development of the knowledge base of Occupational Therapy and related academic research, and to promote reflective practice.

29.3 *Admission requirements:* Candidates will require a good recognised degree (upper second class honors or above) in Occupational Therapy or a recognised qualification in Occupational Therapy (*i.e.* Diploma in Occupational Therapy). Applicants without a degree must satisfy the course committee that they have the ability to complete and benefit from the course, and will be required to produce evidence of further study.

29.4 *Duration:* The course commences in October and, in the first year, runs on a part-time basis for three days a month until June. The second year commences in October and again runs on a part-time basis for three days a month until June, with submission of the dissertation in September.

29.5 *Course Structure:* A total of six modules will be undertaken, three of which are *core* modules. The student may then choose three elective modules. Core modules are: (a) Research Methods and Statistics; (b) Occupational Therapy Theories and Professional Development; (c) Independent Learning Unit. Elective modules may include the following: (a) Health Care

Economics; (b) Health Psychology; (c) Health Services Management; (d) Social Policy; (e) Medico-Legal Issues.

29.6 *Examination and assessment:* Students will be assessed by written examinations which are held in June of the first year, and by assignments and project work set by the tutors of the various modules within the course. The second year of the course is devoted to the dissertation.

29.7 *Course Co-ordinator:* Ms Clodagh Nolan

30. Paediatrics (M.Sc.)

(There is no intake in 2007/2008)

30.1 *Introduction:* The objectives of the course are to provide clinical, management skills and formal research opportunities for paediatricians in training and for doctors working in related specialities. The programme will be structured to concentrate on the deficits of each target group.

30.2 *Admission Requirements:* A medical degree M.B., B.Ch., B.A.O., or similar qualifications from another University or equivalent qualification will be required. Candidates will normally have been in paediatric training in an approved institution or have passed the Membership of the Royal College of Physicians Part II examination or have equivalent experience. Proof of an adequate command of English may be required. For those in related specialities, in addition to a medical qualification, a Diploma in Child Health or Membership of the Faculty of Public Health Medicine or experience deemed equivalent will be required.

30.3 *Course Structure:* The course will be offered as a one-year full-time programme with a modular format. It will be a taught Masters programme with a major dissertation. The subject area for the dissertation will focus on balancing the candidate's profile of experience.

30.4 *Examination and Assessment:* There will be two 3-hour written papers, clinical examination, *viva voce* examination and a dissertation of approximately 30,000 words. Candidates must be successful in the written and clinical examinations prior to the submission of their dissertation. The supplemental examination will be offered in September.

30.5 *Application:* The number of students that can be accepted is strictly limited.

30.6 *Course Co-ordinator:* Dr Edna Roche

31. Palliative Care (M.Sc./P.Grad.Dip.)

31.1 *Introduction:* The aim of this inter-disciplinary course is to provide an opportunity for students to develop a comprehensive academic and evidence based approach to their practice and to explore critically and critique palliative care service provision.

31.2 *Admission Requirements:*

1. minimum of one year's experience in delivering a palliative care approach within practice within the last 2 years.
2. for the duration of the course, be employed in an area where the principles of palliative care are operationalised when caring for individuals with life threatening illness and their families; and
3. hold at least an upper second class honors degree in a health professional or related subject area. Candidates with relevant, and significant, experience as professional practitioners in the field of palliative care may be accepted with a lower class degree (II.2 or III) or equivalent; or
4. otherwise satisfy the selection panel that they have the ability and/or the experience to complete the course successfully.

31.3 *Duration:* The course will be offered on a two-year, part-time basis.

31.4 *Course structure:* The course will commence with one full study week followed by one to two study days per week throughout the academic year. The specialist component of the course will be delivered in various study blocks. All students are required to complete successfully all theoretical and professional practice modules.

31.5 *Progression:* All students register on the M.Sc. course in the first instance. To progress to the second year of the course students must successfully complete all the requirements of the first year of the course as detailed in the course handbook.

Students may, following consultation with the course coordinator, opt not to progress to the second year of the course. If a student chooses such an option, the student will be eligible for the award of a Postgraduate Diploma in Palliative Care. To be awarded a Postgraduate Diploma, a student must successfully complete all five first year modules. Any student who chooses to opt for a Postgraduate Diploma may not apply at a later date to enter the second year of the M.Sc. course.

31.6 *Assessment and examinations:* A combination of assessment strategies is used to assess the learning outcomes for the course. In the second year a research dissertation must be submitted. The pass mark for all assessments is 50%. Each module must be passed independently and all professional practice assessments must be passed without compensation. If a student fails a module on the second attempt, this indicates failure of the whole course.

31.7 *Course Co-ordinator:* Dr Kevin Connaire

32. Pharmaceutical Analysis (M.Sc./P.Grad.Dip.)

32.1 *Introduction:* The course involves a comprehensive treatment of the science and technology of pharmaceutical analysis with particular emphasis on the regulatory environment in which the Pharmaceutical Industry operates. It is intended for suitably qualified graduates currently working in or aspiring to work in the Pharmaceutical Industry - in particular non-Pharmacy graduates employed in quality control or quality assurance roles requiring specialised training, retraining or upgrading of skills. The course may also be attractive to technical managers in regulatory affairs, product development and other related areas. The objective of the M.Sc./P.Grad.Dip. course is to equip graduates with the appropriate analysis skills required by the Pharmaceutical and Veterinary Manufacturing Industries.

32.2 *Admission Requirements:* Applicants will be accepted, subject to the availability of places, from holders of honors degrees in a relevant Science discipline (e.g. pharmacy, chemistry, analytical chemistry, microbiology, biochemistry, pharmacology and other appropriate primary honors degrees e.g. I.T., medicine or veterinary). Equivalent primary and/or postgraduate qualifications will also be considered, particularly with relevant professional experience, after an interview with the Course Director and consultation with the Dean of Graduate Studies. Applications will be evaluated by the Course Director in consultation with the Course Committee and Dean of Graduate Studies as appropriate.

32.3 *Duration:* The course is available for full-time study over one calendar year or part-time over two years and consists of lectures, workshop and laboratory work. Part-time teaching is normally scheduled for Fridays during academic terms.

32.4 *Course Structure/Content:* The course comprises lectures, workshops, seminars, laboratory work, written assignments and factory visits. In addition each student is required to write a major essay on a designated topic in the area of pharmaceutical analysis. Students proceeding to a M.Sc. degree will be required to undertake a research project and present a detailed scientific report at the end of the course.

The course consists of eight basic modules:

1. Regulatory aspects of pharmaceutical analysis, statistics, GLP
2. Chromatographic analysis
3. Spectroscopic and physical methods of analysis
4. Pharmacopoeial methods of drug analysis
5. Analysis of low level drug analysis
6. Regulatory Affairs Science for Biotechnology Products
7. Biological and pharmacological methods
8. Principles of GMP for Bioprocessing
9. Pharmaceutical formulation.

The taught modules are supported by lectures and workshops on presentation and research skills and visits to industrial laboratories. The course is taught mainly by University staff, although there is a contribution from specialist visiting lecturers. The research project may be conducted either in the School of Pharmacy or at the students' place of employment but in either case supervision is exercised by a member of the School of Pharmacy academic staff.

Students register on the M.Sc. course in the first instance.

32.5 *Assessment:* Overall assessment of candidates is based on tutor marked assignments (TMAs) during the course-work and written examinations in May/June each year. Credits are available for all assignments including laboratory reports. The M.Sc. project report will typically be of 18,000-20,000 words and will be examined in September. Candidates must successfully complete the taught component of the course at the Trinity term examinations, before proceeding to the M.Sc. project. Upon successful completion of the taught component of the course, students may, following consultation with the course coordinator, opt not to progress to the M.Sc. If a student chooses such an option, the student will be eligible for the award of a Postgraduate Diploma in Pharmaceutical Analysis. Any student who is awarded the Postgraduate Diploma may not apply at a later date to enter this M.Sc. course.

Provision is available for a supplemental examination in September each year if required. A reasonable attempt is required in all aspects of the examination process. A pass mark of 40% is normally required but compensation will be applied where appropriate.

32.6 *Course Director:* Dr John Clancy

33. Pharmaceutical Manufacturing Technology (P.Grad.Dip./M.Sc.)

33.1 *Introduction:* EC Directives (2001/83/EC and 2001/82/EC) stipulate that manufacturers of pharmaceutical products for human and veterinary use must have at their services at least one "Qualified Person" (Note: applicants with a three-year primary degree must qualify with a M.Sc. to fulfil the educational requirements related to registration as a "Qualified Person"). Articles 49 and 53 respectively specify the minimum conditions of qualifications for such a person which are as follows:

(a) "Possession of a diploma, certificate or other evidence of formal qualifications awarded on completion of a university course of study, or a course recognised as equivalent by the Member State concerned, extending over a period of at least four years of theoretical and practical study in one of the following scientific disciplines; pharmacy, medicine, veterinary medicine, chemistry, pharmaceutical chemistry and technology, biology. However:

- the minimum duration of the university course may be three and a half years where the course is followed by a period of theoretical and practical training of minimum duration of one year and including a training period of at least six months in a pharmacy open to the public, corroborated by an examination at university level;

- where two university courses or two courses recognised by the State as equivalent co-exist in a Member State and where one of these extends over four years and the other over three years, the three-year course leading to a diploma, certificate or other evidence of formal qualifications awarded on completion of a university course or its recognised equivalent shall be considered to fulfil the condition of duration referred to in (a) in so far as the diplomas, certificates or other evidence of formal qualifications awarded on completion of both courses are recognised as equivalent by the State in question.

The course shall include theoretical and practical study bearing upon at least the following basic subjects:

1. Applied Physics
2. General and Inorganic Chemistry
3. Organic Chemistry
4. Analytical Chemistry
5. Pharmaceutical Chemistry, including Analysis of Medicinal Products
6. General and Applied Biochemistry (Medical)
7. Physiology
8. Microbiology
9. Pharmacology
10. Pharmaceutical Technology
11. Toxicology
12. Pharmacognosy (medical aspects) (study of the composition and effects of the active principles of natural substances of plant and animal origin).

Studies in these subjects should be so balanced as to enable the person concerned to fulfil the obligations specified in Articles 51 and 55.

In so far as certain diplomas, certificates or other evidence of formal qualifications mentioned in (a) above, do not fulfil the criteria laid down above, the competent authority of the Member State shall ensure that the person concerned provides evidence of adequate knowledge of the subjects involved.

(b) Practical experience for at least two years, in one or more undertakings which are authorised to manufacture proprietary medicinal products, in the activities of qualitative analysis of active substances and of the testing and checking necessary to ensure the quality of proprietary medicinal products. The duration of practical experience may be reduced by one year where a university course lasts for at least five years and by a year and a half where the course lasts for at least six years.

While the B.Sc. (Pharm.) degree course fully satisfies the educational requirements of the Directives 2001/83/EC and 2001/82/EC, the Postgraduate Diploma course is intended to enable graduates of other disciplines to acquire the necessary specialised knowledge in pharmaceutical subjects and thereby alleviate the difficulties experienced by the pharmaceutical industry due to the shortage of suitably qualified personnel. It is recognised by the Irish Medicines Board as fulfilling the educational requirements related to registration as a "Qualified Person" (Note: applicants with a three-year primary degree must qualify with a M.Sc. to fulfil the educational requirements related to registration as a "Qualified Person").

33.2 *Course Structure:* The course is presented in a distance learning form and extends over two years. Participants receive nine module booklets in each year of the course. The general areas covered are Pharmaceutical, Medicinal and Analytical Chemistry (4 modules), Pharmaceutical Processing (9 modules), Pharmaceutical Biotechnology (1 module) and Drug Action, Uses and Assessment (4 modules). Participants must also undertake a number of manufacturing facility visits.

Candidates who are eligible to progress to the M.Sc. must undertake a dissertation. A dissertation requires an extensive literature review followed by experimental work or data acquisition and subsequent analysis of data that has been generated by the student.

Students register on the Postgraduate Diploma in the first instance.

33.3 *Admission Requirements:* Applications will be considered from graduates of relevant scientific disciplines who have completed a university course or a course recognised as equivalent, extending over three to four years. The intake to the course is limited and the final selection is by an Admissions Committee. Candidates are expected to be in full-time employment either in the pharmaceutical industry or with a pharmaceutical regulatory authority at the time of application and for the duration of the course. Applicants proceeding to a M.Sc. degree should hold a first or second class (upper division) degree or equivalent qualification and experience, and must have completed the first year of the course and achieved an overall assessment grade of second class (first division) or higher. Application details are available from the Graduate Admissions Office.

33.4 *Assessment:* Overall assessment of candidates is based on tutor marked assignments, manufacturing facility tour reports and written examinations. Subject to condition 33.3 above,

candidates with an overall grade second class (first division) or higher, may choose to proceed to the M.Sc. degree. Alternatively students may complete the diploma course schedule. Candidates who fail to meet the examiners requirements may sit supplemental examinations to gain entry to the second year of the diploma programme.

(Note: students must achieve overall grade second class (first division) or higher at their first attempt to proceed to the M.Sc. degree).

Course-work, annual examinations and the M.Sc. dissertation are subject to External Examiner review.

33.5 *Course Co-ordinator:* Ms Lorna Loughrey

34. Pharmaceutical Medicine (M.Sc./P.Grad.Dip.)

34.1 *Introduction:* The M.Sc. course is administered by the Department of Pharmacology and Therapeutics, in association with the Centre for Advanced Clinical Therapeutics, St James's Hospital, Dublin. It has been developed to provide medical and science graduates with specialist knowledge and skills in the area of clinical pharmacology and pharmaceutical medicine. Intake is on an annual basis.

There is a separate entry on the Postgraduate Diploma in Pharmaceutical Medicine (see below).

34.2 *Admission:* Prospective students for this course must hold a primary degree in either medicine or another relevant health or science subject. Candidates should have a minimum of 2 years' practical experience in their area of qualification / pharmaceutical industry.

34.3 *Course Structure:* The course involves completion of taught modules and the additional undertaking of a research project. The modules consist of formal teaching sessions and personal assignments and are run over 5 terms on a part-time basis (approximately 2 modules per term). Some of the modules are undertaken by way of distance learning. In addition, the students will be assigned a research project (including field work), which will be submitted as a dissertation.

Components of the course include principles of pharmacology and biostatistics, new drug development and the regulatory environment, pharmacoconomics and rational use of drugs, pharmacovigilance and drug information.

34.4 *Course Assessment:* Students are assessed by way of continuous assessment and are required to pass written and oral examinations at the end of the modules. In addition, they are required to submit a written dissertation on their research project (with the possibility of an oral examination), by the end of the second year of the course, unless an extension is granted by the Dean of Graduate Studies.

34.5 *Location:* The course will be run in the William Stokes Postgraduate Centre/Trinity College Health Sciences Building, St James's Hospital, Dublin 8.

34.6 *Course Director:* Dr Mary Teeling
Course Co-ordinator: Dr MaryJo MacAvin

35. Pharmaceutical Technology (M.Sc./P.Grad.Dip.)

35.1 *Aims:* The main aim of the programme is to give students currently working or intending to work in the human and veterinary pharmaceutical industries an understanding of the fundamentals of Pharmaceutical Technology relevant to product formulation, development and production. In addition to theoretical knowledge, graduates will be equipped with practical experience and research methodology that will enable them to become involved in research and development in these areas.

35.2 *Admission Requirements:* Applications will be accepted from graduates who:

1. Hold a good honors degree in a relevant science discipline or
2. Hold an equivalent qualification with relevant professional experience

3. Otherwise satisfy the course admission committee that they have the ability to succeed and benefit from the course.

Students who successfully complete the Postgraduate Diploma will have the option of proceeding to the M.Sc. programme without receiving the Postgraduate Diploma.

35.3 *Duration:* The course is run on a full time basis, over a period of one academic year.

35.4 *Course Structure:* The Postgraduate Diploma will incorporate both practical and taught elements. There will be a strong emphasis on the application of pharmaceutical technology in the industrial environment. M.Sc. students will receive instruction in research methodology and will undertake an independent research project which will be reported in the form of a dissertation. Students register on the M.Sc. course in the first instance.

35.5 *Syllabus for the Postgraduate Diploma:* Students will take a total of seven modules, four of which will be core. The modules to be taken by students will be chosen in consultation with the course co-ordinator, having regard to the specific knowledge base of individual applicants. The core modules are:

1. Pharmaceutical Processing
2. Principles of Formulation
3. Unit Processes and Formulation Engineering
4. Formulation of Sterile Products.

Optional modules are:

1. Pharmacokinetics/Pharmacodynamics
2. Biopharmaceutics; Formulation of Biotechnology Products
3. Regulatory Affairs and Manufacturing Facilities
4. Spectroscopic and physical methods of analysis
5. Chromatographic analysis.

35.6 *Assessment:* Postgraduate Diploma candidates will be assessed on the basis of written examinations held in May and/or June together with course-work in the form of tutorial marked assignments and practical work undertaken during the year. M.Sc. candidates will in addition complete a substantial research project and submit a dissertation of approximately 25,000 words. Both the examinations and the dissertation will be subject to external moderation. Any student, who is awarded the Postgraduate Diploma, automatically forfeits progression to the M.Sc. at any later stage.

35.7 *Location:* Teaching will take place in Trinity College. There will be a number of site visits to industrial plants.

35.8 *Course Co-ordinator:* Dr Carsten Ehrhardt

36. Physical Sciences in Medicine (P.Grad.Dip./M.Sc.)

36.1 *Introduction:* This course offers the academic training required for a career in scientific support of medical procedures and technology. The course is offered in the Faculty of Health Sciences and is co-ordinated through the Medical Physics Departments in St. James's Hospital and St. Luke's Hospital, Dublin.

36.2 *Duration:* 1 year full-time or 2 years part-time.

36.3 *Course Structure:* The course is delivered as lectures, demonstrations, seminars, practicals and workshops.

All students must take a Core Track. This Core Track delivers the fundamental and generic knowledge by professionals working in the area of Medical Physics / Clinical Engineering. Upon completion of this, the student then takes one of three Specialisation Tracks in Diagnostic Radiology,

Radiation Therapy or Clinical Engineering. The running of each of these tracks is subject to a minimum number of students taking each track. In parallel with the taught components, the student undertakes a dissertation. A Pass mark in all three required sections (Core Module, Specialisation Track and Dissertation) will result in the awarding of M.Sc. in Physical Sciences in Medicine. If the student does not pass the dissertation component but successfully passes the taught components, the award of Postgraduate Diploma will be awarded.

Core Modules

- Introduction to Radiation Protection & Radiation Physics (5 ECTS)
- Imaging Physics & Technology (5 ECTS)
- Introduction to Radiotherapy and Non-Ionising Imaging (5 ECTS)
- Basic Medical Sciences (5 ECTS)
- Introduction to Research Methodology and Safety (5 ECTS)
- Medical Technology and Information Systems (5 ECTS)
- Seminars (5 ECTS)

Specialisation Track Modules (Diagnostic Radiology)

- Radiation Physics and Dosimetry (5 ECTS)
- Medical Informatics and Image Processing (5 ECTS)
- Ionising and Non-Ionising Radiation Protection (5 ECTS)
- Imaging Physics and Technology 2 (10 ECTS)

Specialisation Track Modules (Radiation Therapy)

- Radiation Physics and Dosimetry (5 ECTS)
- Principles and Applications of Clinical Radiobiology (5 ECTS)
- External Beam Radiotherapy (10 ECTS)
- Brachytherapy and Unsealed Source Radiotherapy (5 ECTS)

Specialisation Track Modules (Clinical Engineering)

- The Human Medical Device Interface (5 ECTS)
- Principle and Practice of Medical Technology Design, Prototyping & Testing (5 ECTS)
- Medical Technology 1: Critical Care (5 ECTS)
- Medical Technology 2: Interventions, Therapeutics & Diagnostics (5 ECTS)
- Medical Informatics and Equipment Management (5 ECTS)

Project Work and Dissertation (30 ECTS)

36.4 *Assessment:* The Core Module and Specialisation Tracks are assessed by means of Written Examinations and Assignments. General College regulations apply with regards to examinations and coursework. The student must pass all examinations and assignments. The pass mark for examinations and assignments is 50%. Supplemental examinations and assignments will be available for those students that fail any of the components up to a maximum of 50% of the total number of components. A dissertation relevant to the applications of Physical Sciences in Medicine must be submitted and passed as assessed by an external examiner.

Both components (Coursework and Dissertation) must be passed for the degree of Masters in Physical Sciences in Medicine to be awarded. No compensation between these two elements is available. Successful completion of the course work (i.e. a pass in all components), but not the dissertation, will result in a Postgraduate Diploma being awarded to the student. Should a Diploma award be made, the graduate cannot re-register for the course in order to complete it for the Masters in Physical Sciences in Medicine degree. An external examiner monitors the assessment process.

36.5 *Location:* The course is taught primarily at the Trinity Centres for Health Sciences at St. James's Hospital; the Education Centre, Adelaide and Meath incorporating the National Children's Hospital, Tallaght; and the Education Centre, St. Luke's Hospital. Some lectures and practicals / demonstrations are held in St. James's Hospital or other Hospitals and institutions as appropriate.

36.6 *Course Director:* Dr Neil O'Hare

36.7 *Course Track Coordinators:*

Core: Dr Neil O'Hare
Diagnostic Radiology: Dr Geraldine O'Reilly
Radiation Therapy: Dr Brendan McClean
Clinical Engineering: Dr Gerard Boyle

37. Psychoanalytic Psychotherapy (M.Sc.)

(There is no intake in 2007/08)

37.1 *Introduction:* This course has been developed to meet the growing need for specialised training in psychotherapy of health professionals already in possession of core training in the area of mental health. It provides structured and comprehensive postgraduate training in the practice of psychoanalytic psychotherapy with adults. The aim of the programme is to provide a thorough training in psychoanalytic theory from Freud through Klein, Bion, Winnicott, and the Independent Tradition, while strongly emphasising the aspect of clinical training.

37.2 *Admission Requirements:* Applications are invited from candidates who hold a degree in Medicine or a first or second class honors degree in psychology, social studies, some aspect of mental health, or equivalent. Individuals whose training may not meet the above criteria but who are deemed by the Selection Committee to possess exceptional potential for training in the area of psychotherapy may be considered.

37.3 *Course Structure:* The course extends over three years. The formal teaching schedule takes place on one evening and one full day per week. The course components include:

1. Lectures and seminars on psychoanalytic theory, clinical practice, developmental theory
2. Psychopathology and psychiatry, research methodology, and related subjects
3. Infant observation
4. Group experience
5. Personal therapy
6. Supervised clinical work.

37.4 *Assessment:* Academic assessment will be based on:

1. A dissertation of 12,000 - 15,000 words
2. A final written examination
3. Oral examination
4. Term essays and infant observation paper.

37.5 *Clinical Assessment:* Students will be assessed on their clinical work on a continuous basis. Each student in the second year of the course, before progressing to the M.Sc. year and in the third year of the course before being awarded a M.Sc., must be classed as satisfactory by their clinical Supervisor.

37.6 *Course Requirements:* Candidates who perform at a satisfactory level in all Course components will be eligible for the award of M.Sc. in Psychoanalytic Psychotherapy.

37.7 *Course Director:* Professor Michael Fitzgerald
Course Co-ordinator: Ms Nessa Childers

38. Sports and Exercise Medicine (M.Sc.)

38.1 *Introduction:* This course is offered in the Faculty of Health Sciences by the Department of Anatomy (Human Performance Laboratory). The course is specifically designed for qualified medical doctors and chartered physiotherapists who have a keen interest in sports, particularly those who are currently involved in sport.

The aims of this course are

1. To present a scientific basis for the study of all aspects of Sports and Exercise Medicine
2. To outline a comprehensive programme for injury prevention and treatment
3. To define guidelines for the scientific monitoring and training of athletes
4. To enable participants to identify practices for various age groups
5. To expose participants to a wide range of specialities relevant to sport and exercise.

38.2 *Admission Requirements:* Applicants should be well-qualified medical graduates, and chartered physiotherapists (minimum upper second class honors degree) with minimum one year's post qualification experience. Selection will be made by *curriculum vitae* in early May of year of entry.

38.3 *Duration:* The course is of one year's duration, full-time, five days a week during the three teaching terms of the year.

38.4 *Course Structure/Content:* The topics dealt with in the course are: acute injuries, basic exercise biochemistry, cardiology, clinical anatomy, computer applications in data analysis, dermatology, dentistry, exercise physiology, ear, nose, throat, emergency medicine (including CPR), individual sports, medical records, ophthalmology, orthopaedics, paediatrics, pharmacology, physiotherapy, podiatry, psychology, radiology, respiratory physiology, resistance training, sports nutrition, sports equipment, statistics and women in sport.

38.5 *Assessment:* The final examination (50% of total marks) includes a multiple choice question paper, 10 short answer questions, assessment of journal paper, data/graphical analysis paper, a clinical *viva voce* examination, a 6-station OSCE examination and an individual research dissertation of 15,000 – 20,000 words (which will count for 40% of the accumulated year marks) and 10% in-course assessment. Pass mark 50% in all examinations with limited compensation between written papers above 45%. No compensation is permitted between written papers and clinical examination. The dissertation can only be undertaken when interim assessments have been completed successfully. The degree is externally monitored and examined.

38.6 *Honorary Course Director:* Professor Moira O'Brien

38.7 *Course Co-Ordinators:* Dr Nicholas Mahony and Mr Bernard Donne

Postgraduate Diplomas

Some Masters courses have the option of a Postgraduate Diploma in cases where the taught course has been satisfactorily completed but a dissertation has not been submitted. Such P.Grad.Dip. courses are not detailed below as they are not open to entry as separate options from their parent Masters course *i.e.* students apply for entry to the appropriate Masters course.

39. Biomedical Sciences (Intercalated) (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See entry **9** above.

40. Cardiac Rehabilitation (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See entry **10** above.

41. Clinical Chemistry (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See entry **13** above.

42. Clinical Dentistry (P.Grad.Dip.)

(There is no intake in 2007/08)

42.1 *Introduction:* This course is offered in the Faculty of Health Sciences by the School of Dental Science. The next intake is in October 2008 and on a biennial basis subsequently.

42.2 *Aims:* This course aims to update dental practitioners by teaching the academic basis and practical skills required for contemporary dental practice in the light of recent innovations and changes.

42.3 *Admission Requirements:* Practitioners are required to hold a Bachelors Degree in Dental Science or its equivalent, and be registered with the Dental Council and have three years recognised experience in postgraduate dental practice, possess their own professional indemnity insurance and present evidence of vaccination against hepatitis B virus.

42.4 *Duration:* The course consists of a core course, held immediately before the start of a new intake, followed by the successful completion of 6 modular courses. Students are required to select 6 of the 9 modules offered, which best suit their individual practice needs. Each module consists of eight, 3-hour clinical and didactic sessions, run weekly over eight consecutive weeks. All students will have completed (at least) 150 contact hours of tuition. All efforts will be made to accommodate students in their chosen modules, but the school of Dental Science reserves a degree of flexibility according to demand.

42.5 *Course Structure:* The core course covers:

1. Cross Infection Control in Contemporary Dental Practice
2. Interpretation of Scientific Data and Statistics
3. Critical Reading of the Literature
4. Medical Emergencies in Dental Practice (including CPR Practical)
5. Library Services and Orientation
6. An induction/orientation session in the hospital clinic including familiarisation with equipment and the School's standing operational policies.

The optional modules offered are:

1. Adhesive Dentistry
2. Removable Prosthodontics
3. Fixed Prosthodontics
4. Periodontal Therapy
5. Endodontics
6. Oral Medicine
7. Dento-Alveolar Surgery
8. Children's Dentistry
9. Orthodontics.

The programme is open to a maximum of 40 students at any one time. Modules will run up to three times a year according to demand.

42.6 *Satisfactory Progress:* Students whose progress is unsatisfactory either academically or clinically, may be excluded from any further participation in the course at any time by the Dean of Graduate Studies, who will act in consultation with and on the advice of the Course Co-ordinator.

42.7 *Assessment:* Assessment of each module is by completion of clinical tasks (competencies), and by Objective Structured Clinical Examinations (OSCEs) at the end of the module. The assessment process is monitored by an external examiner. Students are awarded the Postgraduate Diploma on successful completion of their six chosen modules and is taught in the Dental Hospital and School.

42.8 *Course Co-ordinator:* Dr Osama Omer

43. Clinical Engineering (Equipment Management) (P.Grad.Dip.)

43.1 *Introduction:* This Postgraduate Diploma in Clinical Engineering (Equipment Management) is concerned with the training and education of scientists, engineers and technicians who will provide clinical engineering/equipment management services to hospitals, either through direct employment or employment in companies selling their services to hospitals. It will avail of the framework of the Houghton Institute to facilitate a rich mixture of in-service elements with a well developed academic basis. The programme will focus on the vocational needs of those who intend to follow a career in clinical engineering/equipment management. It is offered by the Faculty of Health Sciences, with support from the Faculty of Engineering, Mathematics and Science.

43.2 *Aim:* The course is developed to ensure that the candidates will attain an appropriate level of academic knowledge, practical training and experience which will benefit the management of hospital electromedical equipment. The student will be required to study a number of foundation and core subjects, taught through a programme of lectures and seminars, and to partake in a work placement. These will be formally assessed and will lead to a Postgraduate Diploma in Clinical Engineering (Equipment Management). The lectures will provide students with an introduction to the theory behind the technology encountered in a modern hospital and will enhance their knowledge of the clinical engineering field through the study of topics which may not have been covered as part of their science/engineering education.

43.3 *Admission Requirements:* Applications for admission will be accepted from those who are employed in an organisation in which the level of clinical engineering is deemed to be sufficient by the course committee, and who has:

1. a H.E.T.A.C. Diploma in the Physical Sciences or in an Engineering subject or
2. a degree in the Physical Sciences or in an Engineering subject or
3. hold qualifications obtained by examination which are deemed to be at a level equivalent to the required qualifications as specified above or
4. otherwise satisfy the course admission committee that they have the ability to complete and benefit from the course.

Applicants meeting these requirements will be interviewed by the course admission committee.

43.4 *Duration:* The programme will run over one calendar year on a part-time basis. Students will be required to attend lectures one day a week during college term. Every five to six weeks this one day commitment will be increased to three days when seminars will be run.

43.5 *Course Structure:* The Postgraduate Diploma will incorporate both taught and practical components. The taught component will consist of an academic programme which will be delivered through a series of lectures grouped into modules. This will be supplemented by a number of short seminars and/or workshops which will consist of lectures and practical training. The academic programme and the seminars are structured so as to complement each other and some of the lectures may be delivered as part of the seminar programme.

43.6 *Syllabus:*

The academic programme will consist of ten modules which are:

1. Human Biology
2. Electronic Principles of Medical Instrumentation
3. Physics Principles of Medical Technology
4. Diagnostic Medical Instrumentation
5. Therapy Medical Instrumentation
6. Imaging Systems
7. Organisation and Management of Health Services
8. Medical Equipment Management Theory
9. Medico Legal Topics
10. Communication and Teaching Skills.

The seminar programme will give the students a structured introduction to the common technologies in practice. Attendance at the following eight seminars is mandatory:

1. Induction and Health and Safety at Work
2. Electrical Safety in a Clinical Environment
3. Physiological Monitoring Technology and Systems
4. Haemodialysis Technology
5. Anaesthetics Technology and Systems
6. Ventilation Technology and Systems
7. Electro-Surgery Applications and M.I.S. Systems
8. Imaging Technology and Systems.

Attendance at two other elective seminars is required. The elective options available in any particular year will be notified to students prior to registration. The elective options will include:

1. Endoscopy Technology
2. Physiotherapy/Phototherapy and Laser Applications in Medicine
3. Dental Technology and Radiotherapy.

43.7 *Assessment:* Assessment of the student will be by written examination and continuous assessment of practical work and training undertaken. The assessment will be subject to external moderation.

43.8 *Location:* The course will be delivered mainly in the Trinity Centre at St. James's Hospital and at the Medical Physics and Bio-Engineering Department in St. James's, with parts of the programme being delivered in other College departments and hospitals as required.

43.9 *Course Co-ordinator:* Mr Fran Hegarty

44. Clinical Health Sciences Education (P.Grad.Dip.)

44.1 *Introduction:* This course is intended to facilitate health service professionals to develop their clinical and classroom teaching skills and to give them skills in curriculum design, development and evaluation.

44.2 *Admission Requirements:*

1. Registration as a health sciences professional with the appropriate body and working in a relevant area; and
2. Three years clinical experience since first registration which must include experience of interaction with students or learners, excluding postgraduate study; and
3. An honors degree in a relevant discipline or equivalent professional and academic qualifications; and
4. Satisfy the course committee that they meet the criteria to complete and benefit from the course, and have evidence of recent and relevant experience.

In order to be eligible to apply to the tutor's division of the register held by An Bord Altranais, nurses and midwives who are successful on this course are also required to have a Masters degree.

44.3 *Duration:* One academic year, part-time.

44.4 *Course Structure:* The course commences with one full study week and continues with the equivalent of two full days of study per week. The course comprises a series of modules covering the theory and practice of health sciences education, educational psychology, curriculum development and research/quality improvement aspects of health sciences education.

44.5 *Assessment:* A combination of written and practice assessments are used. The pass mark is 50%. All practice assessments must be passed without compensation.

44.6 *Course Co-ordinator:* Dr Fintan Sheerin.

44.7 This course will run only if there is a minimum number of students.

45. Cognitive Psychotherapy (P.Grad.Dip.)

45.1 *Introduction:* The Postgraduate diploma course introduces the student to the basic theory of cognitive therapy and customised applications of this model to a range of clinical syndromes. The curriculum emphasises a knowledge of cognitive behavioural models, concepts and methods; competence in developing cognitive case formulations; devising and implementing individual treatment programmes for a range of emotional disorders, and evaluating their effects; understanding the links between cognitive therapy and developmental and cognitive psychology; ethical issues in practising psychotherapy.

45.2 *Admission Requirements:* This course is offered as a specialised post-qualification course that builds on relevant knowledge and skills already possessed by prospective candidates. Suitable candidates for the course will be:

- a) currently employed in a healthcare setting and providing counselling or psychotherapy as part of their work, and;
- b) will have achieved a recognised third level qualification in a mental health profession (e.g. psychology, nursing, social work, medicine), and;
- c) have relevant clinical experience and/or evidence of recognised foundation training in counselling/psychotherapy, and;
- d) will have two years postgraduate experience.

45.3 *Duration:* 1 year

45.4 *Course Content:* In the Postgraduate Diploma year, the overall curriculum emphasises the following learning objectives:

- assessing the scope of presenting difficulties and agreeing specific therapeutic goals
- building and maintaining a therapeutic alliance through collaboration and feedback
- developing individual cases formulations
- applying cognitive and behavioural interventions in a clinically sensitive manner
- fostering resilience and creativity in clients through self-help assignments
- terminating therapy and preparing clients for inevitable lapses in their recovery

These clinical aspects of cognitive therapy are the exclusive focus of the first term. In the second term, the application of these skills to specific disorders, e.g. depression, panic disorder, OCD, social phobia, PTSD and psychosis, will be presented. In the final term there will also be specific teaching on coping with adverse life conditions, e.g. cancer, and an introduction to schema-focused cognitive psychotherapy which emphasises the working through of early experiences of loss, abuse, shame and other traumas. The course will conclude with a focus on the application of CBT in groups and within multidisciplinary teams.

This course will offer the opportunity to explore in depth the theory and practice of cognitive psychotherapy. It is aimed to equip students with the knowledge and skills to use cognitive psychotherapy consistently and effectively in their work place. By the end of the course students should be competent to assess and treat acute (Axis I) emotional disorders and be acquainted with the concepts and methods of schema-focused cognitive psychotherapy, which are more appropriate to long-term and recurrent disorders.

Students are encouraged to develop the ability to communicate professionally the key principles of cognitive psychotherapy, through case presentations to mental health colleagues and through achieving competence in writing theoretical reviews and case formulations which illustrate different treatment approaches within cognitive psychotherapy. At all times, an attitude of enquiry and creativity is encouraged in students, who may need to adapt to the unique outcome of each patient.

45.5 *Assessment / Progression:* Students must attend at least 75% of lectures, tutorials and supervision sessions per term to fulfil criteria for the award of the Postgraduate Diploma. Students must complete 20 supervised clinical hours with patients per term and have completed the treatment of 3 cases before the end of the course.

Students will be expected to undertake regular audiotaped/videotaped clinical work using the principles of cognitive psychotherapy. The tapes must be brought into supervision sessions and a

minimum of two tapes must be submitted to their Supervisor each term for rating using the Cognitive Therapy Scale. Students are also required to complete all written assignments by the end of each term. Failure to do so will be reviewed by the course director and may result in the student not being allowed to progress to subsequent modules of the course until they are satisfactorily completed.

A score of more than 50% must be achieved on all written assignments. It is possible to compensate for a mark between 40% and 50% on one written assignment if a score of at least 60% has been achieved in other written assignments. Students who fail the written assignments in the any term will meet with the Course Director at the beginning of the following term and may be assigned an academic Supervisor to support them making improvements in their submitted written assignments. This supplementary academic supervision will take place outside of the normal course timetable and will be arranged by the Course Director.

Throughout the course, clinical performance will be evaluated using the CTS. The trainee must obtain a pass score on all subscales in order to meet criterion for the award of Diploma. Pass scores mean that the student is carrying out adequate and recognisable Cognitive psychotherapy. Failure to reach this standard will mean that a Postgraduate Diploma cannot be awarded.

It is not possible to use high scores in written assignments to compensate for inadequate clinical performance. For the award of a Diploma with Distinction all submitted assignments (written assignments and tapes rated using CTS) must attract a mark of more than 70%.

45.6 *Location:* The Course will be based in the Medical Teaching Centre in St Patrick's Hospital, with library facilities in both St Patrick's Hospital, the John Stearne Medical Library in St James's Hospital and the Trinity College Dublin campus.

45.7 *Course Director:* Dr Brian Fitzmaurice

46. Community Pharmacy (P.Grad.Dip./M.Sc.)

Students register on the Postgraduate Diploma in the first instance. See Entry 14 above.

47. Conscious Sedation in Dentistry (P.Grad.Dip.)

47.1 *Introduction and Admission Requirements:* Applicants for the award of P.Grad.Dip. in Conscious Sedation in Dentistry must have held a recognised degree in dentistry for at least two years. The course of study will be 18 months part-time. A student is required to attend a course of study and to pass written and clinical examinations. The aim of the Postgraduate Diploma in Conscious Sedation in Dentistry is to provide an educational Programme that will equip dentists with the knowledge and experience to safely and effectively use conscious sedation techniques in their own clinics to the highest national and international standards both safely and independently. The course also aims to develop an ability to critically analyse professional literature.

47.2 *Course Content:* The student will be required to attend for 11 teaching days and 20 clinical sessions. The main topics of are: Applied Biology Science, Professional Literature Appraisal, Clinical Skills & Medical Emergencies, Intravenous Conscious Sedation, Alternative Conscious Sedation Techniques, Legal issues and Pain Control. In addition to the course of study and examinations, a student must present an essay-based project on professional literature review of a topic, clinical competencies and submit an essay-based project.

Two months prior to the completion of the course of study, a student must submit copies of the essay-project to the Director of the Course. A Professional Postgraduate Diploma in Conscious Sedation in Dentistry is awarded on passing all components of the course.

A student whose progress is unsatisfactory either academically or clinically, may be excluded from any further participation on the course at any time by the Dean of Graduate Studies, who will act in Consultation with the Dean of the Dental School and Director of Teaching and Learning (Postgraduate) of the School of Dental Science on the advice of the appropriate Head of Division and the Course Director.

Module	Title	ECTS
1.	Applied Biology relevant to Conscious Sedation	10
2.	Professional Literature Appraisal	10
3.	Clinical Skills and Medical Emergencies	10
4.	Intravenous Conscious Sedation	10
5.	Anxiety Control and other conscious sedation techniques	10
6.	Legislation, Ethics and Clinical Governance	5
7.	Pain Control	5

47.3 *Assessment:* Candidates will be assessed throughout the course by:

- Written examination
- Course work and essays
- Presentation
- Web based tests
- Literature review project
- Professional Practice Placement /log book.

Continuous assessment: Each student is assessed on his or her theoretical and clinical skills.

Written examinations: The written assessments consist of multiple choice questions and short answer questions and are held throughout the course. A combined result of 50% is required in each module before the Final Examination can be attempted.

Logbook: The students must complete a reflective logbook of all cases with which they are involved in either assessment or treatment, which is submitted and marked as part-requirement before sitting the Final Examination.

Professional Practice: Professional skills and practice are an integral part of the course and allow the students to consolidate theory and practice. The placements for these clinical sessions take place in the DDSH and St. Mary's Hospital Phoenix Park, Dublin. Students undertaking the Postgraduate Diploma undertake 20 clinical sessions which have a direct contact time of approximately 80 hours.

Professional clinical practice assessment procedures: Students are required to undertake clinical competency assessment and complete a portfolio. The assessment of clinical competency focuses on specialist competency and on accumulated learning, which will be discussed on a one-to-one basis as part of these sessions. Each competency must be clearly documented and has to be signed by the clinical supervisor. Agreed learning outcomes are formulated, which outline the areas that will need to be reviewed. All competencies must be successfully completed before the Final Examination is attempted. Arrangement will be made for the student to repeat the competency within two months if a Pass is not achieved.

Final Examination: To sit the Final Examination the student must have passed the examinations as part of the continuous assessment and achieved a combined pass rate of 50%. In addition, all competencies, written assignments, clinical portfolio and presentations must have been passed. The Final Examination consists of written and oral sections. A written paper is of 2 hours duration comprising of multiple choice questions and short questions. The oral section comprises three orals of 30 minutes duration including literature appraisal, clinical skills and conscious sedation techniques.

A student who fails any part of the Final Examination, at the discretion of the Board of Examiners may sit a supplemental examination in the September after the Final Examination to complete the course. Failure at the first attempt of a written assignment can be overcome with arrangements in place for a re-submission before the end of the first 9 months.

Pass Standard for Written Assessment is 50%

The Clinical portfolio logbook must be handed into the Course Administrator one month before sitting the Final Examination for evaluation and marking, and this section must be passed before the Final Examination is sat.

47.4 *Classification of award:* The Diploma will be unclassified but a Distinction will be awarded if a mark greater than 70% is obtained.

47.5 *Director of Course:* Professor Leo FA Stassen

48. Exercise Physiology (P.Grad.Dip./M.Sc.)

Students register on the Postgraduate Diploma in the first instance. See Entry 15 above.

49. Gerontological Nursing (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 16 above.

50. Gynaecology and Obstetrics (P.Grad.Dip.)

50.1 *Introduction:* The Postgraduate Diploma in Gynaecology and Obstetrics is granted to registered medical practitioners who, having completed the requisite courses of instruction, have passed the examination for the diploma. This examination is of an advanced standard.

50.2 *Admission Requirements:* In order to be eligible for admission to the courses for the Postgraduate Diploma, a candidate must:

1. be registered as a medical practitioner and have completed at least one year in the speciality following registration

2. have possessed for a period of not less than two calendar years a qualification which is acceptable for registration with the Medical Council, 8 Lr. Hatch Street, Dublin 2 and

3. have a good knowledge of the English language, certified by a pass in a recognised International English Language Assessment. English and Medical Modules *e.g.* E.L.P.T, F.M.G (T.O.E.F.L), or P.L.A.B.

The number of practitioners who can be admitted to the courses is strictly limited. Preference is given to applicants from developing countries who have not previously had the opportunity of external postgraduate study or experience. Application for admission to the course should be made on a special form, which may be obtained from the Graduate Admissions Office, Trinity College, Dublin 2, to whom the completed application form should be returned. An application must be accompanied by a passport-size photograph, certified on the back as being a true likeness of the applicant. Original certificates should not be sent with the application form.

No candidate should come to Dublin in the hope of studying for the Postgraduate Diploma unless s/he has received a notification from the Dean of Graduate Studies that a place is reserved for him/her.

Before the commencement of the course, each candidate is required to produce at the Medical School office (a) his/her original certificate of qualification as a medical practitioner, and (b) his/her original certificate of registration as a medical practitioner.

50.3 *Duration:* The courses cover a period of six months (October - March) and are given as follows:

Instruction at Trinity College: This is given during two winter terms (October to March) in anatomy of the female pelvis, embryology of the pelvic viscera, physiology of reproduction, gynaecological and obstetric pathology and its practical application. Days and hours of instruction in Trinity College are announced at the beginning of the session in October, and only those members of the class who have regularly attended the courses of instruction provided are permitted to enter for the examination.

Instruction at the Maternity Hospital: This consists of six months' clinical instruction at the Rotunda hospital and other teaching Hospitals of Trinity College. Clinical and theoretical instruction is provided in obstetrics, gynaecology and neo-natal paediatrics. Satisfactory attendance is required.

50.4 *Examination:* The examination, for the Postgraduate Diploma on the subjects of the course is held by the University of Dublin in March (at the conclusion of the course); a supplemental examination may be held in June. The pass mark is 50%. The diploma may be awarded with distinction where the candidate achieves an overall mark of 70%, which must include a mark of 70% or more in the clinical examination in Obstetrics and Gynaecology.

50.5 *Fees:* Enquiries regarding fees for maintenance at the maternity hospital must be made to the Department of Obstetrics and Gynaecology, Trinity College.

Immediately on being notified that a place is provisionally reserved on the course, a successful applicant must confirm acceptance and forward the fee deposit. Under special circumstances, the fee deposit may be carried forward for a maximum of one year but is not refunded if the applicant fails to report for the course. The remaining course fees must be paid in total before registration for the course.

50.6 *Course Co-ordinator:* Dr Ronan Patrick Gleeson

51. Health Informatics (P.Grad.Dip./M.Sc.)

Students register on the Postgraduate Diploma in the first instance. See entry 13 in the Faculty of Engineering, Mathematics and Science for further details.

52. Magnetic Resonance Imaging Technology (P.Grad.Dip.)

52.1 *Introduction:* This course is aimed at qualified radiographers and its aim is to provide education in the practice of magnetic resonance imaging. It is designed to give a solid academic basis in the understanding of imaging theory and a high level of practical experience in MRI techniques and in safe use of imaging and associated equipment. Candidates who have successfully completed the course-work and assessments to distinction level or who otherwise satisfy the course committee may progress to the M.Sc. in Medical Imaging (see entry 22 above).

52.2 *Admission Requirements:* Applications will be accepted, subject to places being available, from candidates who have:

1. a degree in Radiography, or
2. the Diploma of College of Radiographers (London) in Diagnostic or Therapeutic Radiography, or
3. hold professional qualifications obtained by examination which are recognised to be equivalent to a) or b) above, and
4. otherwise satisfy the Dean of Graduate Studies and Course Admission Committee that they have the ability to complete and benefit from the course.

52.3 *Duration:* One year, part-time.

52.4 *Course Structure:* The course will incorporate both taught and practical components, with the taught component forming a substantial part of the course. Practical clinical experience will be gained either in the candidates own department or via a clinical placement. The taught component will consist of the following modules: Physics and Instrumentation of MRI; MR Anatomy and Associated Protocols; MR Pathology and Associated Protocols; Safety and Quality Control in MRI; MRI Imaging Techniques; Patient Care and Medico-Legal; Management Overview, Record of Practical Training.

52.5 *Assessment:* Students are examined on the basis of written papers, a logbook, practical assessment and oral presentation. The pass mark for each written paper is 50%. Cross compensation between papers will be allowed up to a maximum of 10%. The clinical assessment includes (a) a log

book consisting of in-depth case studies, essays and oral presentation which represents 60% of the marks in this section and (b) a practical examination which represents 40% of the clinical assessment marks. The pass mark for clinical assessment is 60%. No cross compensation is allowed between clinical assessment and the written papers.

52.6 *Course Director:* Dr Mary Keoghan
Course Co-ordinator: Ms Bernadette Moran

53. Mental Health (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 23 above.

54. Midwifery (P.Grad.Dip.)

54.1 *Introduction:* Two Postgraduate Diplomas in Midwifery courses are available. One course is taught by The Rotunda Hospital, Dublin, in association with the School of Nursing and Midwifery, and the second by The Coombe Women's Hospital, Dublin 8, in association with the School of Nursing and Midwifery. The courses are designed to develop midwives with the knowledge, skills and attitudes necessary to become competent, analytical and reflective practitioners thus enabling them to provide care in a manner that benefits women and their families.

54.2 *Admission Requirements:* Registration as a nurse in the General Nurses Division of the Active Register with An Bord Altranais.

54.3 *Duration:* Two-year, full-time, during which time students are employed either by The Rotunda Hospital, Dublin, or The Coombe Women's Hospital.

54.4 *Course Content:* The courses comprise both classroom and practice components and incorporate midwifery theory and practice, management, legal and ethical aspects of midwifery practice, and research appreciation.

54.5 *Assessments and examinations:* Continuous assessment of both the practice and theoretical components of the course will be used and written examinations are undertaken each year. The pass mark is 50%. Students must pass independently both written and practice assessments. All practice assessments must be passed without compensation, and compensation is not permitted between written and practice assessments. Failure of written and/or practice assessments means failure of the course. Successful candidates will be eligible to apply to An Bord Altranais to have their names entered in the Midwives Division of the Register.

54.6 *Applications:* No new applicants are being admitted to this course.

54.7 *Course Co-ordinator:* Ms Deirdre Daly

55. Molecular Medicine (P.Grad.Dip.)

55.1 *Introduction:* There has been an enormous growth in our understanding of how basic biological processes take place at a molecular level in recent years. Molecular Medicine is a new field that exploits advances in molecular and cellular biology to characterise how normal cellular processes either fail, or are subverted, in disease. Advances in this area are continuing at an explosive pace and with them comes an ever sharper focus on the essential molecular mechanisms underlying the normal functioning of cells, tissues and organisms. Increasingly, medical practitioners, professionals and researchers in the health and life sciences need to be able to understand, evaluate and apply advances in molecular medicine in order to keep abreast with developments in their fields. This programme offers a comprehensive and thoroughly up-to-date overview of the area, which will allow participants to critically evaluate the literature and understand the central concepts. In addition

to a comprehensive theoretical focus, the programme emphasises an understanding of the practical aspects of molecular medicine.

The Diploma in Molecular Medicine is designed to make available a high quality course to those individuals who cannot avail of a full-time programme, due to the high demands it makes on a candidates time. Thus the diploma may be an attractive option for, among others, those working in business, industry, clinical, or other disciplines, who wish to gain a comprehensive knowledge in this area with a view to professional progression or going on to do a higher degree.

55.2 *Admission Requirements:* Candidates should normally have a minimum of an upper second class honors degree or equivalent in a biological science, a clinical science such as medicine, dentistry or veterinary; a pharmaceutical science such as pharmacy, or related area. However, individuals with other appropriate professional or industrial experience (for example those working in the life sciences sector) will also be considered. The candidate may be interviewed to establish his/her suitability for the course. Prospective students should apply to the Graduate Studies Office for admission.

55.3 *Course Structure:* The course is available in a one-year part-time format. It includes lectures on cellular biology and molecular genetics as they apply generally to normal cell and tissue function and to disease processes. Advanced modules cover topics such as molecular oncology, signalling, development and therapeutics, immunology and infectious agents among others. A selection of modules on issues such as bioinformatics, research methodology, statistics and ethical-legal aspects of the discipline may be undertaken on an optional basis.

Participants choose a minimum of 10 units totalling a minimum of one hundred contact hours teaching. Participants are also required to complete a written review of a relevant part of the literature.

55.4 *Course Assessment:* Candidates are examined on the basis of the submitted critical literature review essay, and written examinations of the modules undertaken. Examinations will be undertaken at the end of each term. Candidates will be expected to achieve a pass mark of 50% overall in both their written exams and their literature review. Supplementary exams will only take place in cases where candidates cannot sit exams due to illness, or other exceptional circumstances as decided by the course co-ordinators.

55.5 *Course Co-ordinators:* Dr Ross McManus, Professor Mark Lawler, Dr Aideen Long, Dr Henry Windle and Dr Yuri Volkov.

56. Nuclear Medicine (P.Grad.Dip.)

56.1 *Introduction:* Nuclear Medicine is that branch of medicine which is concerned with the use of unsealed radioactive isotopes in the diagnosis, investigation and treatment of disease. The Postgraduate Diploma in Nuclear Medicine will educate students in the practice of Nuclear Medicine and associated research techniques. The course will allow qualified Radiographers/Technologists to specialise in Nuclear Medicine. Candidates who have successfully completed the course-work and assessments to distinction level or who otherwise satisfy the course committee may progress to the M.Sc. in Medical Imaging.

56.2 *Aims:* The objective of the Postgraduate Diploma course is to produce qualified Nuclear Medicine Radiographers/Technologists. The course is designed to give a solid academic base in the understanding of, and a high level of practical experience in, Nuclear Medicine techniques and in the safe use and management of radioisotopes.

56.3 *Admission Requirements:* Applications for admission will be accepted, subject to places being available, from those employed in a Nuclear Medicine, Diagnostic Imaging or a Therapeutic department and engaged in appropriate work within a Nuclear Medicine service who have:

1. a degree in Radiography, or
2. the Diploma of College of Radiographers (London) in Diagnostic or Therapeutic Radiography or a Technicians Diploma in Physics/Applied Physics, or a closely related discipline, and three years relevant experience, or
3. hold professional qualifications obtained by examination which are recognised to be equivalent to 1 or 2 above and have appropriate relevant experience, *or*
4. otherwise satisfy the course admission committee that they have the ability to complete and benefit from the course.

56.4 *Duration:* The Postgraduate Diploma course takes place in one academic year with the M.Sc. course extending over a further year on a part-time basis. The course is timetabled so as to facilitate students in full-time employment.

56.5 *Course Structure:* The Postgraduate Diploma course incorporates both taught and practical components, with the taught components forming a substantial part of the course. The taught component consists of various clinical and scientific academic modules. In addition, a clinical and practical logbook must be completed. Clinical experience of an average 15 hours per week in designated Nuclear Medicine departments will be required to provide comprehensive experience in all commonly used Nuclear Medicine techniques.

56.6 *Assessment:* Candidates are assessed on the basis of (a) written examination papers, held at the end of each academic year, and (b) a logbook incorporating clinical case studies and practical experiments.

56.7 *Location:* The course will be taught in the Trinity Centre for Health Sciences, St. James's Hospital. Appropriate components of the practical training for the diploma course will be taught in the Nuclear Medicine Departments of St. James's Hospital, Beaumont and the AMNCH/Tallaght Hospitals. Clinical experience and research project work will be undertaken in other appropriate hospitals or institutions.

56.8 *Course Director:* Dr Patrick Freyne
Course Co-ordinator: Ms Bernadette Moran

57. Oncological Nursing (P.Grad.Dip.)

57.1 *Introduction:* A Postgraduate Diploma in Oncological Nursing course is available. The programme is delivered by the School of Nursing, St. Luke's Hospital in association with the School of Nursing and Midwifery, Trinity College, Dublin.

57.2 *Aims:*

1. to develop a competent pro-active professional with a heightened sensitivity to the many physical and psychological components of individual reactions to health, illness and particularly cancer
2. to provide the registered nurse with the knowledge, skills and attitudes necessary to provide a holistic approach to caring for the patient diagnosed with cancer
3. to facilitate the registered nurse to develop into a more caring, reflective and enquiring practitioner, capable of planning, implementing and evaluating care based on research and scientific theory.

57.3 *Admission Requirements:*

1. Current registration on the appropriate nursing division of An Bord Altranais Active Register
2. Two years post-registration clinical experience since first registration
3. Twelve months experience (within the last two years) in the speciality at the time of application or otherwise satisfy the selection committee that they have the relevant clinical experience for the course

4. Candidates whose first language is not English must produce evidence of competency in English (e.g. TOEFL or IELTS) prior to application
5. Candidates must also fulfil *one* of the following:
 - Diploma in Nursing Studies or equivalent Nursing Diploma
 - Having successfully completed the TCD Access to Nursing Degree programme or equivalent
 - Evidence of study to Diploma Level equivalent in a subject allied to Health Care
 - Satisfy the selection committee that they have the academic ability to successfully complete the programme.
6. Additional criteria may be required by individual Health Service Providers.

57.4 *Duration:* One year, full-time.

57.5 *Course Structure:* The programme consists of core subject modules and specialist modules in oncological nursing.

Core: 1. Research Dissemination in Clinical Practice
 2. Health Care Management and Quality Improvement

Specialist: 1. Oncology Nursing – Advancing Cancer Nursing Practice 1
 2. Oncology Nursing – Advancing Cancer Nursing Practice 2
 3. Biophysical and Biological Sciences
 4. Social and Behavioural Sciences

57.6 *Assessment and examinations:* A combination of written assignments, examinations and clinical competencies are used. The pass mark is 50%. All assignments and examinations are externally moderated.

57.7 *Course Co-ordinator:* Ms Honor Nicholl

58. Palliative Care (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry **31** above.

59. Pharmaceutical Analysis (M.Sc./P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry **32** above.

60. Pharmaceutical Manufacturing Technology (P.Grad.Dip./M.Sc.)

Students register on the Postgraduate Diploma in the first instance. See Entry **33** above.

61. Pharmaceutical Medicine (P.Grad.Dip.)

61.1 *Introduction:* This Diploma course is administered by the Department of Pharmacology and Therapeutics, in association with the Centre for Advanced Clinical Therapeutics, St James's Hospital, Dublin. It has been developed to provide medical graduates with specialist knowledge and skills in the area of clinical pharmacology and pharmaceutical medicine. Intake is on an annual basis.

There is also a direct entry to the M.Sc. course (see Entry **34** above).

61.2 *Admission:* Prospective students for the postgraduate diploma must hold a primary degree in medicine and must have a minimum of 2 years' general medicine experience post-registration. Ideally candidates should have practical experience in pharmaceutical medicine (via employment in the pharmaceutical industry/contract research organisation, regulatory authority or academia).

61.3 *Course Structure:* The course has a modular format and runs over 5 terms on a part-time basis (approximately 2 modules per term). The course consists of formal teaching and personal assignments. Some of the modules are undertaken by way of distance learning.

Components of the course include principles of pharmacology and biostatistics, new drug development and the regulatory environment, pharmacoeconomics and rational use of drugs, pharmacovigilance and drug information.

61.4 *Course Assessment:* Students are assessed by way of continuous assessment and are required to pass written, multiple choice and oral examinations at the end of their course.

61.5 *Location:* The course will be run in the Trinity College Health Sciences Building/William Stokes Postgraduate Centre, St. James's Hospital, Dublin 8.

61.6 *Course Director:* Dr Mary Teeling
Course Co-ordinator: Dr MaryJo MacAvin

62. Pharmaceutical Technology (M.Sc./P.Grad.Dip.)

Normally, direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 35 above.

63. Physical Sciences in Medicine (P.Grad.Dip./M.Sc.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. Physical Sciences in Medicine. See Entry 36 above.

64. Professional Midwifery Studies (M.Sc. Midwifery/P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. Midwifery. See Entry 24 above.

65. Professional Nursing Studies (M.Sc. Nursing/P.Grad.Dip.)

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. Nursing. See Entry 28 above.

66. Specialist Nursing (P.Grad.Dip.)

66.1 *Introduction:* This programme is currently taught by the School of Nursing and Midwifery, Trinity College Dublin in collaboration with St. James's Hospital; The Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital, (AMNCH) at Tallaght; St Mary's Hospital, Phoenix Park; Learning Disability Services in the Dublin Region; St Francis Hospice, St. Patrick's Hospital, Psychiatric Services in the Dublin Region; Naas General Hospital, Connolly Hospital; Temple Street Children's University Hospital.

All students undertake a core programme and, in addition, they may select to study in one of the following areas of specialist nursing:

- Accident and Emergency Nursing
- Burns, Plastic and Oro-maxillofacial Nursing
- Care of the Persons with Severe and Enduring Mental Illness
- Coronary Care Nursing
- Dementia Care for Persons with Intellectual Disability
- Haematology Nursing
- Intensive Care Nursing
- Orthopaedic Nursing

- Peri-operative Nursing with a choice to undertake one of the following options:
 - Anaesthetic/Recovery
 - Paediatric
 - Surgical
- Promoting Enablement in Persons with a Physical Disability
- Renal Nursing

66.2 *Aim:* To facilitate the qualified nurse working in specialist areas to become a more knowledgeable, analytical, reflective and caring nurse, capable of assessing, planning, implementing and evaluating specialist nursing care based on research and evidence-based practice.

66.3 *Admission requirements:*

1. Current registration on the appropriate nursing division of An Bord Altranais Active Register.
2. Two years post registration clinical experience since first registration.
3. Twelve months experience (within the last two years) in the speciality at the time of application or otherwise satisfy the selection committee that they have the relevant clinical experience for the course.
4. Candidates whose first language is not English must produce evidence of competency in English (e.g. TOEFL or IELTS) with their application.
5. Candidates must also fulfil *one* of the following
 - Diploma in Nursing Studies or equivalent Nursing Diploma
 - Having successfully completed the TCD Access to Nursing Degree programme or equivalent
 - Evidence of study to Diploma Level equivalent in a subject allied to healthcare
 - Satisfy the selection committee that they have the academic ability to successfully complete the programme.
6. Additional criteria may be required by individual Health Service Providers.

66.4 *Duration:* One year

66.5 *Course structure:* The course commences in the autumn of each year. The course is composed of class contact time for core modules and class contact time for the individual specialist modules. The duration of each of these periods may vary in each programme.

The course includes two core modules entitled: research dissemination in clinical practice and health care management and quality improvement.

Each specialist strand contains four specialist modules:

1. Accident and Emergency Nursing:
 - trauma nursing,
 - nursing management of medical emergencies,
 - nursing management of surgical emergencies,
 - nursing management of paediatric and mental health emergencies.
2. Burns, Plastic and Oro-maxillofacial Nursing:
 - burns, plastic and oro-maxillofacial: concepts and principles,
 - burns nursing: resuscitative, reparative and rehabilitative care,
 - plastic surgical nursing,
 - oro-maxillofacial nursing.
3. Care of Persons with Severe and Enduring Mental Illness:
 - psychotherapeutic interventions for persons with severe and enduring mental illness,
 - contemporary issues for psychiatric nursing,
 - nursing interventions for persons with severe and enduring mental illness and their carers (1),
 - nursing interventions for persons with severe and enduring mental illness and their carers (2).
4. Coronary Care Nursing:
 - principles of coronary care nursing,

- assessment and management of the coronary care patient – 1 (acute coronary syndromes),
 - assessment and management of the coronary care patient – 2 (heart failure/altered electrophysiology),
 - interventions and adjunctive therapies for the coronary care patient.
5. Dementia Care for Persons with Intellectual Disability:
 - ageing and dementia assessment in persons with intellectual disability,
 - nurse interventions for persons with dementia, a holistic approach to care,
 - policy and service issues,
 - palliative care-supporting persons with an intellectual disability and advanced dementia.
 6. Haematology Nursing:
 - management of haematological conditions (1),
 - management of haematological conditions (2),
 - nursing care of patients with coagulation disorders,
 - living with a haematological condition.
 7. Intensive Care Nursing:
 - principles of intensive care nursing,
 - assessment of the critically ill intensive care patient,
 - nursing care and management of the critically ill patient: respiratory/ventilation,
 - nursing care and management of the critically ill patient: multi-system dysfunction/trauma.
 8. Orthopaedic Nursing:
 - applied sciences and introduction to orthopaedic nursing,
 - elective orthopaedic nursing,
 - trauma orthopaedic nursing,
 - paediatric, rehabilitation and rheumatology nursing.
 9. Peri-operative Nursing:
 - the foundation principles of peri-operative nursing,
 - management of the surgical patient,
 - applied science and health and safety issues,
 - peri-operative department management/ selected option.
 10. Promoting Enablement in Persons with a Physical Disability:
 - the meaning and experience of physical disability,
 - rehabilitation and physical disability,
 - legal and ethical perspectives of nursing persons with a physical disability,
 - a lifespan perspective on physical disability.
 11. Renal Nursing:
 - nephrology nursing,
 - haemodialysis and allied therapies,
 - peritoneal dialysis nursing,
 - transplantation nursing.

66.6 *Assessments and examinations:* A combination of theoretical and clinical assessments is used. The pass mark is 50% and limited compensation is permitted between theoretical assessments. Compensation is not allowed between clinical assessments. All examinations and assignments are externally moderated.

66.7 *Applications:* This programme will be advertised in the National newspapers. Applications should be made to School of Nursing and Midwifery, 24 D'Olier Street, Dublin 2.

66.8 *Course Co-ordinators:* Ms Louise McDonnell, Ms Honor Nicholl.

Higher Diplomas

67. Higher Diploma in Children's Nursing

67.1 *Introduction:* This programme, which is currently taught by the School of Nursing, The Adelaide and Meath Hospital, Dublin, incorporating the National Children's Hospital at Tallaght, in association with the School of Nursing and Midwifery, aims to develop and expand knowledge, skills and attitudes in nurses towards infants, children, their parents and family as a unit in society. The course is designed to equip nurses to deliver primary health care, acute, rehabilitative and palliative care as required and to foster the process of continuing education and research in paediatric nursing practice.

67.2 *Admission Requirements:*

1. Be on at least one division of the register as held by An Bord Altranais
2. Be on the active register as held by An Bord Altranais
3. Have six months Clinical Nursing Experience
4. Have completed a Diploma programme in General, Intellectual Disability or Psychiatric Nursing; or, have completed a Trinity College Dublin Access Programme; or, have completed a Nursing Degree programme.

67.3 *Duration:* Twelve months full-time, during which time students are employed by the Adelaide and Meath Hospital, Dublin, incorporating the National Children's Hospital at Tallaght.

67.4 *Location:* The course is taught at The Adelaide and Meath Hospital, Dublin, incorporating The National Children's Hospital at Tallaght and on The School of Nursing & Midwifery sites in the Trinity Centre, St James's Hospital and 24 D'Olier Street.

67.5 *Course content:* Paediatric nursing theory and practice, management, legal and ethical aspects of paediatric nursing, research appreciation.

67.6 *Assessments and examinations:* Continuous assessment of both practical and theoretical work will be used and a written examination will be undertaken. The pass mark is 50% and all clinical assessments must be passed without compensation. Successful candidates will be eligible for registrations as a RCN with An Bord Altranais.

67.7 *Applications:* Applications should be made to the Matron, the National Children's Hospital in the Adelaide and Meath Hospital, Dublin, incorporating The National Children's Hospital at Tallaght.

67.8 *Course Co-ordinator:* Ms Carole King

68. Higher Diploma in Midwifery

68.1 *Introduction:* This course is taught by the School of Nursing and Midwifery, in partnership with The Rotunda Hospital, Dublin and The Coombe Women's Hospital, Dublin. The course is designed to develop midwives with the knowledge, skills and attitudes necessary to become competent, analytical and reflective practitioners thus enabling them to provide care in a manner that benefits women and their families.

68.2 *Admission Requirements:*

Applicants must satisfy the following minimum entry criteria:

- a. Must be a registered general nurse on the General Nurse Division of the register maintained by An Bord Altranais
and
- b. Be currently on the Live Register maintained by An Bord Altranais
and

- c. Have a minimum of 6 months full-time recent clinical nursing practice or equivalent since registration as a general nurse and
- d. Have a relevant academic qualification, preferably to degree level and
- e. Satisfy the selection committee that they have the ability to complete and benefit from the course

68.3 *Duration:* 18 months full-time, during which time students are employed either by The Rotunda Hospital, Dublin, or The Coombe Women's Hospital.

68.4 *Course Content:* The course comprises both classroom and practice components and incorporate midwifery theory and practice, management, legal and ethical aspects of midwifery practice, and research appreciation. The table below lists the ECTS for this course.

Module	Title	ECTS
1.	Foundation Skills for Midwifery Practice	5
2.	Sharing the Woman's Experience - Social Theory and Birth	5
3.	Core Midwifery Practice	5
4.	Adaptation in Pregnancy	5
5.	Midwifery Practice: Pathophysiology	5
6.	Midwifery Research – Evidence for Midwifery Practice	5
7.	Lactation and Infant Feeding	5
8.	Midwifery Practice: Unexpected Outcomes of Pregnancy and Childbirth	5
9.	Being a Midwife – Personal and Professional Development	5
10.	'Bring it all together'	5
11.	Midwifery Practice 1 – Orientation	10
12.	Midwifery Practice 2	10
13.	Midwifery Practice 3	10
14.	Midwifery Practice 4	10
15.	Midwifery Practice 5	10
16.	Midwifery Practice 6	10
17.	Midwifery Practice 7	10

68.5 *Assessments and examinations:* Continuous assessment of both the practice and theoretical components of the course will be used and written examinations are undertaken each year. The pass mark is 50%. Students must pass independently both written and practice assessments. All practice assessments must be passed without compensation, and compensation is not permitted between written and practice assessments. Failure of written and/or practice assessments means failure of the course. Successful candidates will be eligible to apply to An Bord Altranais to have their names entered in the Midwives Division of the Register.

68.6 *Applications:* Applications should be made to the Director of Midwifery, The Rotunda Hospital, Dublin 1, or to the Director of Midwifery, The Coombe Women's Hospital, Dublin 8.

68.7 *Course Co-ordinator:* Ms Linda Biesty

68.8 *Course Director:* Ms Margaret Carroll

7. POSTGRADUATE AWARDS AND TRAVEL FUNDS

7.1 The University offers a number of postgraduate awards open for application to students registered, or intending to register for full-time higher research degrees (*i.e.* M.Litt., M.Sc., Ph.D.). Applications are assessed competitively.

7.2 Trinity College Postgraduate Studentships (code 1228) provide for EU fee-paying students an annual maintenance contribution of €4,000 and EU-fee waiver; non-EU fee-paying students receive fee remission equivalent to the sum of these two values. This scheme is now closed to new applications. These awards cannot continue beyond year two on the Masters and year three on the Ph.D. register.

Trinity College Postgraduate Research Studentships (code 1252) are moderately numerous and are open to applicants from all countries. For both EU and non-EU fee paying students they provide an annual maintenance contribution of €8,000 and a full fee waiver. The scheme is open to new applications from new entrants to the full-time research register only. These awards cannot continue beyond year two on the Masters and year three on the Ph.D. register.

Ussher awards are similarly open to applicants from all countries. They are few in number, necessarily very competitive and provide a significant annual maintenance award (currently €12,700) and cover fees.

As the number of studentships is limited, applicants are strongly advised to apply for all other awards and grants open to them. Candidates are expected to apply for the renewal of any local authority scholarship they may have held as undergraduates. (Research Scholarships awarded by the Ministry for Education for Northern Ireland are tenable in the University of Dublin.)

Individual Schools particularly in the Science, Engineering and Health Sciences areas may have specific funds at their disposal and candidates, when applying, should enquire as to the availability of such funds.

7.3 There are a limited number of One Year Postgraduate Awards for Continuing Students (code 7017) and guidelines for eligibility and conditions are available from the Graduate Studies Office. Deadline for application is 31st May.

7.4 Applicants whose total personal income (including earnings as specified above) is in excess of €18,000 will not be considered for Trinity College awards.

7.5 There are also a number of specific Ussher Fellowships and miscellaneous funds and scholarships of limited application – see below for further information.

TRINITY COLLEGE POSTGRADUATE RESEARCH STUDENTSHIPS (code 1252)

7.6 *General*

A number of postgraduate research studentships are offered annually to highly qualified candidates to enable them to undertake postgraduate studies in the University of Dublin. The holder is required to engage in teaching-related activities, as designated by their Director of Teaching and Learning (Postgraduate), to a maximum of six hours per week. For EU and non-EU fee-paying students they provide an annual maintenance contribution of €8,000 and a full fee remission.

This scheme is open to new applications from new entrants to the full-time research register only. Holders have their studentship renewed annually on the basis of satisfactory progress report, to a maximum of year 2 standing on the Masters register and year 3 standing on the Ph.D. register subject to a transfer approval at the latest during year 3 standing on the register. Payments are made in 12 monthly instalments directly to the student's bank account via the Staff Office payroll.

7.7 *Eligibility*

Normally, awards will be made only to applicants who are placed in the first class or the first division of the second class at a moderatorship or final examination or who obtained equivalent status at a final degree examination in a professional subject. Graduates who are reading for the Ph.D.

degree may also be eligible if they have already received a Masters degree (excluding the degree of Masters in Arts from the University), irrespective of the class of primary degree received.

7.8 *Conditions*

The Trinity College Postgraduate Research Studentships are open to graduate research students undertaking research in any branch of learning (subject to availability of resources and competent supervision in the chosen area). These awards are offered subject to the following conditions: The holders must be new entrants to the research register, engage in full-time research and must be registered for a higher degree in the University of Dublin. Holders are required to engage in relevant academic and professional activities as determined by the Director of Teaching and Learning (Postgraduate). Within such activities, teaching-related activities such as demonstrating are limited to a maximum of six hours per week and are governed by guidelines provided by the Graduate Studies Committee. Eligibility for the awards is conditional upon the values of any scholarships, or awards, or income received by applicants from other sources (see above). The receipt of any additional funding or scholarships must be notified immediately to the Graduate Studies Office. Holders of Postgraduate Research Scholarships may not earn in excess of €18,000 (inclusive of the award maintenance) by private tuition, demonstrating, etc., or from other funds.

7.9 *Applications*

Applications for these studentships must be made on the prescribed form, and must be accompanied by sealed letters of reference from two academic referees each contained in a special envelope provided by the Graduate Studies Office. Forms may be obtained from the Graduate Studies Office and completed forms must be returned to the Graduate Studies Office by 1st May for the applications to be considered in the first round.

Late awards may be made if vacant places become available during the course of the year.

USSHER AWARDS

7.10 *General*

These Awards are awarded to exceptionally well-qualified candidates of outstanding promise. They are open to competition by graduates of any nationality, for research in any branch of learning in the College (subject to availability of resources and competent supervision in the chosen area). The Awards are for a three year period of research leading to a Ph.D. They cover fees and provide a maintenance award of €12,700 per annum. There are six Faculty Ussher Awards in every academic year. Three to be allocated to successful applicants in the Faculty of Arts, Humanities and Social Sciences, two for the Faculty of Engineering, Mathematics and Science, and one to a successful applicant in the Faculty of Health Sciences. There are, in addition, named Ussher fellowships of limited application (See below for further information).

7.11 *Conditions*

Holders must be new entrants to the research register and register for a Ph.D. degree (in the first instance on the Masters register with transfer to the Ph.D. register at the earliest opportunity) in the University of Dublin and must engage in full-time research.

Holders have their award renewed annually on the basis of satisfactory progress report, to a maximum of year 2 standing on the Masters register and year 3 standing on the Ph.D. register subject to a transfer approval at the latest during year 3 standing on the register. Payments are made in 12 monthly instalments directly to the student's bank account via the Staff Office payroll. Holders of Ussher Awards may not earn in excess of €18,000 (inclusive of the award maintenance) by private tuition, demonstrating, etc., or from other funds.

7.12 *Applications*

Applications for awards must be made on the prescribed form and must accompany a complete application form for admission onto the research register. Forms may be obtained from the Graduate Studies Office and must be returned to the Graduate Studies Office by 1st May for the applications to be considered in the first round.

R. B. MCDOWELL USSHER FELLOWSHIP

7.13 The London Trust for Trinity College, Dublin provides the R.B. McDowell Ussher Fellowship. This Fellowship is awarded to an exceptionally well qualified candidate in History who wishes to pursue research leading to a Ph.D. in Modern History. This Fellowship is suspended from the academic year 2006/07 until further notice.

THE NESBITT USSHER FELLOWSHIP

7.14 *General*

This Fellowship, provided by the Trinity Foundation, is awarded to a candidate wishing to pursue research leading to a Ph.D. in History or Botany.

7.15 *Conditions*

In addition to the normal regulations applicable to Ussher fellowships, holders of studentships in their first year must send to the Dean of Graduate Studies reports of satisfactory progress and attendance signed by their Supervisor, which must reach the Graduate Studies Office by 1st December and 1st June. Payments, which are made in two instalments, the first soon after registration in September and the second on 1st April, will only be made on receipt of satisfactory reports.

THE SCHULER USSHER FELLOWSHIP

7.16 *General*

This Fellowship, funded by Dr Beate Schuler, is awarded to a candidate wishing to pursue research in the School of Chemistry.

7.17 *Conditions*

The total value of the award will be €19,046 per annum for 3 years to cover fees, incidentals and living costs. Should there be no suitable Chemistry candidate, the funds will be used to support a postgraduate conducting research into the chemical effects of drugs in the brain.

THE RACHEL THOMPSON USSHER FELLOWSHIP

7.18 *General*

This fellowship was founded in 2002 by a bequest from Ms Rachel Thompson, M.A.1930, to the TCD Association and Trust. Ms Thompson, a graduate of the University of Dublin was formerly a teacher of languages at Alexandra College, Dublin. The fellowship is awarded at three-year intervals to a candidate wishing to pursue a Ph.D. in the area of Modern Languages. There is an associated travel grant, funded from the same bequest to which the holder of this fellowship may apply for research travel.

THE PROVOST THOMAS N. MITCHELL USSHER FELLOWSHIP

7.19 *General*

This fellowship was founded in 2002 to honour Dr Thomas Mitchell, who was Provost from 1992 to 2002. To recognise his enormous contribution both to College itself and Irish Education, Trinity Foundation, The TCD Association and Trust, the London Trust for Trinity College, the University of Dublin Fund (USA), along with other friends of Trinity, established the Provost TN Mitchell Fellowship Fund in perpetuity. The fellowship is awarded at five-year intervals to a candidate wishing to pursue a Ph.D.

SOURCE OF FUNDS

7.20 The Ussher Fellowships are payable from funds derived from several sources including the Trinity Foundation, an independent charitable trust which raises funds for Trinity College, Dublin. Postgraduate Studentships are payable from a fund which consolidates the bequests listed below. They are subject to the limitations here shown. Students do not apply for these specific awards.

	Fund	Limitation
1)	Ambrose	None
2)	Blake	Irish History
3)	Brooke	None, but preference for classics or mathematics
4)	Burgess	None as to subject, but only for women
5)	Donnelly	Science
6)	Ferguson	Linguistics and Irish
7)	FitzGerald	Experimental physics
8)	Gardner	Pharmaceutical Science
9)	Hackett	Natural Sciences
10)	Harmsworth	None, but preference for medicine, surgery, music, or a subject with a specifically Irish interest
11)	Kells Ingram	None
12)	Bishop Law	Mathematics
13)	Lawrence	Languages (Classical or Modern)
14)	Ledoux	Medicine
15)	Longfield	Modern Literature
16)	Lyster	None
17)	McCullagh	Theoretical physics or applied mathematics
18)	MacKenny	Chemistry
19)	Madden	None
20)	Maze	None
21)	Trinity College Trust	None (awards are made in concurrence with the Trinity College Trust)
22)	Whately	Economics

Details of the funds referred to above in connection with postgraduate awards and moderatorship prizes are given below.

- 1) CHARLES AMBROSE FUND: Established in 1965 by a bequest of Miss K.M. Ambrose in memory of her father Charles Ambrose, LL.D. The income is available for general postgraduate awards.
- 2) BLAKE NATIONAL HISTORY SCHOLARSHIP FUND: Established in 1884 by a bequest of Miss Helen Blake to promote research in Irish history.
- 3) BROOKE FUND: Established in 1879 by a gift from the Misses Brooke.
- 4) KATHLEEN BURGESS FUND: Established in 1929 by Mr and Mrs William R. Burgess, to provide prizes or awards for women students, on graduating, in memory of their daughter Kathleen Burgess.
- 5) DR. EITHNE DONNELLY FUND: An award will be made annually under the terms of the will of the late Dr. Eithne Donnelly to a suitably qualified University of Dublin woman graduate in the Sciences who is registered for a higher degree in the University.
- 6) FERGUSON MEMORIAL PRIZE: Established in 1907, see under PRIZES IN ARTS, CALENDAR PART 1. In 1977 it was decided to devote the balance of the fund to postgraduate research.
- 7) FITZGERALD MEMORIAL FUND: Established in 1902 in memory of Professor George Francis FitzGerald, F.T.C.D., to promote research in experimental physics.

- 8) GARDNER MEMORIAL FUND: Established in 1977 by the members of the Pharmacy Club to promote research in pharmaceutical science by enabling a pharmacy graduate with an honors degree to proceed to a higher degree, or, failing its need for the aforementioned purpose, by promoting research in the School of Pharmacy.
- 9) JOHN WINTHROP HACKETT FUND: Established in 1926 by a bequest of Sir John Winthrop Hackett, to provide an award in applied science.
- 10) EMILIE (MAFFETT) HARMSWORTH FUND: Established in 1943 by Lord Harmsworth of Egham, to found awards in memory of his wife. Preference is given to candidates proposing to carry out research in medicine, surgery, music or a subject with a specifically Irish interest.
- 11) KELLS INGRAM RESEARCH FUND: Established in 1958 by a bequest of Captain Kells Ingram. The income is available for general postgraduate awards.
- 12) BISHOP LAW FUND: Established in 1796 by a gift of John Law, Bishop of Elphin, to encourage the study of mathematics.
- 13) T. E. LAWRENCE FUND: Established in 1974 by a bequest by Miss Lilian Joyce Ludlow to found the T. E. Lawrence scholarship. It will be awarded in the area of classical studies or modern languages.
- 14) LEDOUX FUND: Established in 1959 by a bequest of Mrs E. G. Ledoux, to be applied for the furtherance of research in the School of Physic of the University.
- 15) MOUNTIFORT GEORGE LONGFIELD FUND: Established by a bequest in 1946 by Miss M.L.B.Longfield, to found an award in modern languages and English literature and language in memory of her brother, Mountifort George Longfield.
- 16) THOMAS WILLIAM LYSTER FUND: Established by a bequest in 1946 by Mrs Jane Robinson Lyster, to found an award in memory of her husband, Thomas William Lyster.
- 17) MCCULLAGH FUND: Established in 1854 by subscription in memory of James McCullagh, Fellow 1835-47, to encourage research in mathematics or theoretical physics.
- 18) CHARLES MACKENNY FUND: Established by a bequest in 1967 by Miss Coralie Violet Sara Hudson, to found a prize in chemistry in memory of her uncle, Charles MacKenny.
- 19) MADDEN FUND: Established in 1798 by a bequest of Samuel Molyneux Madden, originally with the primary purpose of providing a prize for the best unsuccessful candidate at the Fellowship examination. The income of the fund is now applied to postgraduate awards.
- 20) SIR FREDERICK WILLIAM MAZE FUND: Established in 1975 by a bequest of Sir Frederick William Maze. The income is available for general postgraduate awards.
- 21) TRINITY COLLEGE TRUST: Accumulated from various sources.
- 22) WHATELY MEMORIAL FUND: Established in 1871 by subscription in memory of Richard Whately, Archbishop of Dublin, to promote the study of political economy.

POSTGRADUATE SCHOLARSHIPS OF LIMITED APPLICATION

- 7.21 Specific applications are invited as stated under each entry.
The scholarships listed below are awarded by the respective departments as listed.

- 1) PETER BECKETT POSTGRADUATE RESEARCH AWARD
- 2) JOHN A. BOLAND MEMORIAL SCHOLARSHIP
- 3) JULIAN BOLDY BURSARY
- 4) MAUREEN DE BURGH MEMORIAL PRIZE IN MARINE BIOLOGY
- 5) BUSINESS ADMINISTRATIVE BURSARY
- 6) CLUFF MEMORIAL STUDENTSHIP
- 7) CURTIS MEMORIAL PRIZE
- 8) ELRINGTON SCHOLARSHIP
- 9) FERGUSON MEMORIAL PRIZE
- 10) FRANZ FASENFELD SCHOLARSHIP
- 11) HENRY FLOOD RESEARCH SCHOLARSHIP
- 12) ROBERT FRIEL PRIZE IN ENGINEERING STRUCTURES
- 13) JOHN GOOD BEQUEST
- 14) TERENCE GORMAN POSTGRADUATE PRIZE
- 15) IRENE GREENE MEMORIAL RESEARCH FUND
- 16) HINCKS MEMORIAL PRIZE
- 17) HOME HEWSON SCHOLARSHIP
- 18) HENRY HUTCHINSON STEWART LITERARY SCHOLARSHIPS
- 19) THE IRISH SOCIETY'S SCHOLARSHIP
- 20) THE DAVE JOHNSTON MEMORIAL FUND
- 21) GRACE LAWLESS LEE FUND
- 22) W. H. A. MACINTOSH PRIZE
- 23) MICROSOFT IRELAND PRIZE
- 24) FRANCES E. MORAN RESEARCH STUDENTSHIP
- 25) R. A. Q. O'MEARA RESEARCH FUND
- 26) OPERATIONS RESEARCH SOCIETY OF IRELAND AWARD
- 27) CLAUDE AND VINCENETTE PICHOS RESEARCH AWARD
- 28) POSTGRADUATE TRAVELLING SCHOLARSHIP IN MEDICINE AND SURGERY
- 29) SARAH PURSER MEDICAL RESEARCH FUND
- 30) SHEPPARD MEMORIAL PRIZE
- 31) E. C. SMITH SCHOLARSHIP IN PATHOLOGY
- 32) STOKES KENNEDY CROWLEY PRIZE
- 33) RICHARD SMYTH EXHIBITION IN TROPICAL MEDICINE
- 34) TECHNICON RESEARCH FELLOWSHIP
- 35) VICTORIA UNIVERSITY SCHOLARSHIP
- 36) WHITE POSTGRADUATE FELLOWSHIP IN IRISH ART HISTORY
- 37) DR. JOHN HENRY WHYTE TRUST FUND
- 38) PROFESSOR D.A. WEBB SCHOLARSHIP

Details of the funds referred to above are given below.

1) PETER BECKETT POSTGRADUATE RESEARCH AWARD: The award is made annually in Michaelmas term on the recommendation of a committee comprising the Dean of the Faculty of Health Sciences, the Professor of Psychiatry, the Clinical Professor of Psychiatry and the Regius Professor of Physic., to the candidate who, in the opinion of the committee has carried out the best research project in psychiatry during his/her postgraduate training. The research should normally have been carried out in Ireland. The award is open to all postgraduate trainees in psychiatry who have completed at least three years of a formal training programme approved by the committee. Applications should reach the Medical School Office not later than 31st December and candidates should submit a full written description of the completed research project which they wish to have considered. Value, about €825.

2) JOHN A. BOLAND MEMORIAL SCHOLARSHIP (LAW): The John Boland memorial prize was founded in 2007 by subscription in memory of John Boland (LL.B., M.A., Barrister-at-Law, 1954), former U.K. Public Trustee, who founded the UK Trust for TCD (then called 'The London Trust for TCD'), and who was a very loyal graduate serving Trinity in many capacities. The Prize is awarded annually by the U.K. Trust for Trinity College Dublin for a new incoming research

postgraduate student in Law. Award to be decided on the basis of merit in application. Value: Sterling £1,000 pa.

3) JULIAN BOLDY BURSARY: This bursary was established in 1992 in memory of Julian Boldy by his friends, John and George Kurkjian. The bursary is awarded annually to help support a postgraduate student (or exceptionally an undergraduate) in Geology. Applications should reach the Head of the Department of Geology by 1st July. Value, about €1,650 per annum.

4) MAUREEN DE BURGH MEMORIAL PRIZE IN MARINE BIOLOGY: This prize was established in 1986 by subscription in memory of Dr Maureen de Burgh to promote research in marine biology. It is awarded annually to a postgraduate or undergraduate student to cover expenses related to research in marine biology at Trinity College, on the recommendation of the Professor of Zoology and one other lecturer in the department. Value, about €140.

5) BUSINESS ADMINISTRATIVE BURSARY: This bursary was founded in 1974 by the Association of Business Graduates. It is awarded for the best thesis or dissertation which must (a) be prepared in accordance with the requirements of the M.B.A. degree, and (b) be of practical use to Irish businessmen/businesswomen. Further information can be obtained from the Director of the Graduate Course in Administration. It is open to graduates of the University of Dublin, the National University of Ireland, Dublin, and the National University of Ireland, Galway, Trinity College, Dublin, University College, Dublin, and University College, Galway. Value, €190.46.

6) CLUFF MEMORIAL STUDENTSHIP: This studentship was founded in 1987 in memory of James Stanton Cluff, Scholar 1858, with endowments provided by Mr W.V. Cluff. It is awarded as often as funds permit to a student registered or to be registered for a higher degree in the History School, or to a graduate of the History School registered or to be registered for a higher degree at another university. It is awarded for one year in the first instance, but may be renewed on evidence of satisfactory progress for a second year, and in exceptional circumstances for a third year. Application should be made to the Professor of Modern History before 31st July. Value, about €2,285 a year.

7) CURTIS MEMORIAL PRIZE (suspended from 2004/05): This prize was founded in 1952 by subscription in memory of Edmund Curtis, Erasmus Smith's Professor of Modern History 1914-39 and Lecky Professor of Modern History 1939-43. The money subscribed having been entrusted to the Royal Irish Academy, the Council of the Academy has decided to use the income to award an occasional prize of €126, or such sum as the Council may direct, for an essay on Irish history, based on original research, and/or work of original interpretation. The successful essay will be considered for publication in the Proceedings of the Royal Irish Academy. Candidates for the prize must be, or have been, graduates of a university, and must not be more than thirty years of age on 1st January of the year in which an award is to be made. Candidates over the age of thirty must have completed their primary degree within the previous seven years. The essay must be typewritten or printed, bound and not more than 10,000 words in length; it must also include a full bibliography. Submissions should be made to the Royal Irish Academy, 19 Dawson Street, Dublin 2.

8) ELRINGTON SCHOLARSHIP: This scholarship was founded in 1837 by subscription in memory of Thomas Elrington, Provost 1811-20. It is awarded biennially by the Board on the recommendation of the Professors and full-time academic staff of the School of Religions and Theology as confirmed by the Graduate Studies Committee. It is awarded for the purposes of theological research. It is open to any candidate in theology and/or divinity and/or related academic disciplines. It is tenable for two years. Application should be made to the Professor of Theology no later than the end of Trinity term in the year 2008 and every second year. Value, about €3,174.

9) FERGUSON MEMORIAL PRIZE: This prize was founded in 1907 by subscription in memory of Sir Samuel and Lady Ferguson. It is awarded every third year. Work submitted for it may take the form of:

- (a) an investigation of some aspect or feature of Irish linguistic development, or
- (b) a study of Irish literary sources, or
- (c) an edition of an important text including translation, commentary and linguistic analysis.

The prize is open to all undergraduates and to graduates of not more than seven years standing.

Exercises must reach the Senior Lecturer before 17th March in the year of the award. Value, about €1,524.

10) **FRANZ FASENFELD SCHOLARSHIP:** This scholarship was established in 1998 in memory of Franz Fasenfeld, a Junior Sophister MSISS student who died tragically in 1997. It will be used to support full-time research within the Department of Statistics for Graduates of the MSISS programme. It may be used to complement scholarships and grants from other sources and with such grants will provide fees for postgraduate study and maintenance up to a value of €9,523 p.a. It is awarded in the first instance for one year, but may be renewed, as funds permit for a second year for students reading for a Masters degree and for a third year for students reading for a Ph.D. The award is made on the basis of merit and as funds permit on the recommendation of the Professor of Statistics and the Director of Studies of the MSISS programme. At their discretion, and as funds permit, support may also be provided for attendance at academic meetings by holders of the award. The scholarship is suspended from the academic year 2006/07.

11) **HENRY FLOOD RESEARCH SCHOLARSHIP:** This research scholarship was founded in 1981 by a bequest in memory of Henry Flood MP. It is awarded annually by the Board of the College on the recommendation of the Professor of Irish as confirmed by the Graduate Studies Committee. It is awarded for the purpose of research in the area of Irish Folk and Language studies to a graduate on the books of the University who has shown sufficient merit. The scholarship is tenable for one year but may be renewed for a maximum of a further two years. Application should be made to the Professor of Irish not later than the end of Trinity term. Value: EU-fee + maintenance of about €8,000.

12) **ROBERT FRIEL PRIZE IN ENGINEERING STRUCTURES:** This prize was established in 1992 in memory of Robert Geoffrey Friel, who taught on the Masters course in Civil Engineering, by subscription of his colleagues and friends. It is awarded annually to the student who achieves the highest marks in the examinations associated with the M.Sc. in Civil Engineering. Value, €63.

13) **JOHN GOOD BEQUEST:** In 1941 the College received a bequest from John Good. A prize is awarded to the student of the year in the M.B.A. course. A sum of money is available each year for the purchase of specialised books and equipment for the benefit of students in the School of Business.

14) **TERENCE GORMAN POSTGRADUATE PRIZE:** This prize was founded in 2006 by a bequest from Mrs Dorinda Gorman in memory of her husband, the distinguished economist W M (Terence) Gorman, a Trinity economics graduate of 1948. It is awarded annually on the recommendation of the Department of Economics to the student who performs at the highest level in the M.Sc. Economics course. Value, €500.

15) **IRENE GREENE MEMORIAL RESEARCH FUND:** This fund was established in 1975 by a gift of €2539 from the estate of Miss N. T. J. Greene. The purpose of the fund is to assist scientific research under the direction of the Professor of Biochemistry from time to time into the diagnosis and treatment of cancer. Value, €1,079.

16) **HINCKS MEMORIAL PRIZE:** This prize was founded in 1944 by a gift from J. H. Magee in memory of Edward Hincks, Fellow 1813-20, to encourage the study of the language, history, religion, literature, culture and ideas of the Hebrews in Old Testament times, and of Old Testament archaeology. The prize is awarded in two parts, one to an undergraduate of the Junior Sophister year and the other to a postgraduate student in the School of Hebrew, Biblical and Theological Studies. In each case the award is made for a dissertation within the areas designated. The subject chosen should be approved in advance, and the dissertation should be submitted not later than 1st October. In the event of two or more dissertations being judged to be of equal and sufficient merit, the prizes may be divided. Value; undergraduate prize €380; postgraduate prize €2,539.

17) **HOME HEWSON SCHOLARSHIP:** This scholarship is offered by a bequest in memory of Dr. George Hewson (former Professor of Music) and Mabel Home (actress and singer) for the support of postgraduate studies in the School of Music, literature, theatre and visual arts. The award of this scholarship will be made by the Professor of Music, following consultation with the School of

Music Committee and the Dean of Graduate Studies. The scholarship may be awarded up to a maximum of 3 years and its value will depend at any given time on the interest available from the capital sum. Value, about €2,539 per annum.

18) DR HENRY HUTCHINSON STEWART LITERARY SCHOLARSHIPS: These scholarships were founded in 1884 by a bequest from Henry Hutchinson Stewart. Two scholarships, value €507 and €380, are awarded annually to those students who have obtained the highest aggregate of marks in the two-subject moderatorship examinations and whose major subject was a modern language (English, French, German, Irish, Italian, Russian, Spanish and Portuguese). At least one scholarship is reserved for a student whose minor subject was also a modern language. If holders are engaged on full-time postgraduate study in the area of modern languages, the scholarships are increased to €4,444 and €3,174, and renewed at this level for a maximum of a further two years.

19) THE IRISH SOCIETY'S SCHOLARSHIP: This scholarship is offered annually by the Hon. the Irish Society for research work to be carried out under the direction of the Director of the Research Institute, Lambeg, Co. Antrim, and to be embodied in a thesis to be submitted for the degree of M.Sc. A graduate of the University is eligible for this scholarship provided that s/he satisfies the conditions prescribed for the M.Sc. degree and that s/he has received at least part of his/her education at one of the schools to which the society contributes financial assistance. Applications should reach the secretary of the Institute before 2nd August each year. Value, €152 a year for two years.

20) THE DAVE JOHNSTON MEMORIAL FUND: Established in 1998 in memory of Dave Johnston by his family and friends to support field based studies by undergraduate and postgraduate students in Geology. The income may be divided between more than one project in a year. The fund will be administered by the Professor of Geology, another member of the Department of Geology and a representative of the Alumni of the Department of Geology. Applications should reach the Professor of Geology by the last day of Hilary Term in the year which the grant will be held.

21) GRACE LAWLESS LEE FUND: Established in 1975 by Mr. J. D. Gwynn, in memory of Grace Lawless Lee, to promote and facilitate scholarship in history, primarily by assisting work by members of staff or, if sufficient funds are available, at graduate level. Students registered for courses based primarily on course-work are not eligible to apply to this fund. The income may be divided between more than one project in a year, or may be accumulated for a larger project, or in special cases may be used for grants in aid of travelling expenses and of publication. The fund will be administered by the Provost, the Professors of Modern and Medieval History, and a representative from each department. Application should reach the Provost by 1st April.

22) W. H. A. MACINTOSH PRIZE: This prize was founded by a legacy from Mr W. H. A. Macintosh, former chief technician in the Department of Chemistry. It is awarded annually to the student who is undertaking research in the Department of Chemistry, leading to a Ph.D. in inorganic, organic or physical chemistry, and who has obtained the highest mark in the moderatorship examination of that year. Value, €635.

23) MICROSOFT IRELAND PRIZE: Microsoft Ireland will sponsor a prize for the best student on the second year of the M.Sc. (Technology and Learning) for three years, commencing in the academic year 2003/2004. The prize will consist of a tablet PC. The M.Sc. is jointly run by the Departments of Computer Science and Education.

24) FRANCES E. MORAN RESEARCH STUDENTSHIP: This studentship is offered by the Trinity Trust for research in any area of Irish law. The grant will normally be of one year's duration. The successful candidate will be required to register for the degree of M.Litt. The successful candidate may be required to assist with tutorial work in the Law School for four hours per week. Applications should be addressed to the Regius Professor of Laws. Value, M.Litt. fees for the year will be paid, together with a tax-free stipend of €1,841 - €2,222.

25) R. A. Q. O'MEARA RESEARCH FUND: This fund was established in 1977 by a gift from the Marie Curie Memorial Foundation to establish a research fund in memory of the late Robert

Allen Quain O'Meara, Professor of Experimental Medicine 1942-74. The income from the fund will be made available to support research in the field of cancer and allied disorders. Applications will be invited, by advertisement, biennially. Awards of research grants will be made by a committee consisting of the Dean of the Faculty of Health Sciences, the Marie Curie Foundation Professor of Clinical Oncology, the Regius Professor of Physic and the Professor of Histopathology and Morbid Anatomy. Value, €10,158.

26) OPERATIONS RESEARCH SOCIETY OF IRELAND AWARD: This award was founded in 1973 by the Operations Research Society of Ireland. A presentation may be made annually to the graduate student judged on the basis of course and project work to exhibit the greatest aptitude and proficiency in operations research. Students on the graduate programmes of the School of Systems and Data Studies will be considered for the award.

27) CLAUDE AND VINCENETTE PICHOS RESEARCH AWARD: Deriving from donations made by Madame Pichois and the late Professor Claude Pichois, a Research Award is made triennially to a candidate holding a first-class or II.1 Honors Degree in French (or equivalent) and having a research project within the area of nineteenth and/or twentieth-century French Literature. Award holders must be new entrants to the University of Dublin research register, must intend to register for a Ph.D. degree (in the first instance on the Master's register, with transfer to the Ph.D. register at the earliest opportunity) in the University of Dublin and must engage in full-time research. After their transfer to the Ph.D. register, Award holders may engage in teaching-related activities, as designated by their Director of Teaching and Learning (Postgraduate), up to a maximum of four hours per week. Their Award will be renewed annually, normally to a maximum of three years, on the basis of a progress report being deemed satisfactory by the research supervisor. When approved by the research supervisor, the report will be sent to the Trinity Foundation for the information of Funders.

The Award covers EU fees and currently provides maintenance of €16,000 per annum, with payments made according to the method used for Ussher Awards. Should there be deemed to be no suitably qualified candidate, the Award, in the year in question, would accrue to the capital endowment of the Claude and Vincenette Pichois Memorial Fund. Applications for this Award must be made on the College award form, together with a complete application for admission to the research register, inclusive of sealed letters of reference from two academic referees, each contained in a special envelope provided by the Graduate Studies Office, and must be returned in one single packet to the Graduate Studies Office by 1st May.

Candidates for the Award will be selected on academic merit by the Claude and Vincenette Pichois Research Award Committee consisting of the Dean of the Faculty of Arts and Humanities (as chairperson), the Head of the Discipline of French, and all Professors and Associate Professors in the discipline of French. This Committee will pass on its recommendations for approval by the Head of the School of Languages, Literatures and Cultural Studies, for onward transmission, normally by 7 June, to the Dean of Graduate Studies, and for notification to the President of the Trinity Foundation.

28) POSTGRADUATE TRAVELLING SCHOLARSHIP IN MEDICINE AND SURGERY: This scholarship is awarded annually in medicine and surgery in alternate years. The award for 2008 will be in medicine. The object of the scholarship is to encourage younger graduates to undertake further work in specialised aspects of medicine and surgery, including the acquisition of modern techniques and the carrying out of research. The award is made on the recommendations of a committee and candidates may be requested to attend for interview. The committee consists of the Dean of the Faculty of Health Sciences, the Dean of Graduate Studies, the Regius Professors of Medicine or Surgery (depending on whether the scholarship is in medicine or surgery) and the Professor of Histopathology and Morbid Anatomy. The successful candidate is expected to work for at least nine months under the direction of a senior member of staff in a hospital or university department outside Dublin approved by the Board of the College. The work must consist of advanced study, preferably including research, in some specified field and should be such as to enable the successful candidate to gain experience of modern methods of investigating disease. Approval of the Board must also be obtained for any change in the agreed programme of study and research. Payments under the scholarship are made as follows: A sum equivalent to one sixth of the total amount is paid initially to cover the first month of the scholarship. Thereafter, a sum equivalent to one eighth of the balance is paid each month for the remaining eight months. The scholar's Supervisor is asked for a report at the end of six months, and the final monthly payment is made after a satisfactory report has been received. Value approximately €22,220. The winner also receives the

Sheppard memorial prize (see below) value €5,078, together with the Sir John Banks medal in medicine or the Edward Hallaran Bennett medal in surgery (see below).

This scholarship and the Dr Henry Hutchinson Stewart scholarship (q.v.) are awarded from a fund obtained by consolidating the following funds:

- a) John Banks Fund
- b) Edward Hallaran Bennett Fund
- c) Bicentenary Fund
- d) Dr Henry Hutchinson Stewart Fund.

For details of these funds see under the appropriate headings below.

a) **JOHN BANKS FUND:** This fund was established in 1907 by a gift from Sir John T. Banks, King's Professor of the Practice of Medicine 1849-69 and Regius Professor of Physic 1880-98. The income of the fund contributes to the provision of a postgraduate award in medicine. A John Banks medal in bronze is given to the winner of the award (see above).

b) **EDWARD HALLARAN BENNETT FUND:** This fund was established in 1907 by past pupils in appreciation of E. H. Bennett, Professor of Surgery 1873-1906. The income of the fund contributes to the provision of a postgraduate award in surgery. An Edward Hallaran Bennett medal in bronze is given to the winner of the award (see above).

c) **BICENTENARY FUND:** This fund was established in 1912 to mark the bicentenary of the School of Physic. The income of the fund contributes to the provision of postgraduate awards in medicine or surgery (see above).

d) **DR HENRY HUTCHINSON STEWART SCHOLARSHIP IN PSYCHIATRY:** This scholarship was founded in 1884 by a bequest from Henry Hutchinson Stewart. It is awarded annually and is available to graduates in medicine of not more than ten years' standing. The object of the scholarship is to encourage younger graduates to undertake further work in the specialised aspects of psychiatry, including the acquisition of modern techniques and the carrying out of research. Awards are made on the recommendation of a committee comprising of the Dean of the Faculty of Health Sciences, the Professor of Psychiatry, the Regius Professor of Physic and the Dean of Graduate Studies. Candidates may be required to attend for interview. Successful candidates are expected to work for at least six months under the direction of a senior member of staff in a hospital or a university department approved by the Board of Trinity College. The work must consist of advanced study, preferably including research, and should be such as to enable the successful candidate to gain experience in modern methods of investigating disease. Approval of the Board must be obtained for any change in the agreed programme of study and research. The value of the scholarship is the equivalent of 33 per cent of the current annual income of the existing consolidated fund comprising the Banks, Bicentenary, Bennett and Henry Hutchinson Stewart Funds. Value, about €10,792.

29) **SARAH PURSER MEDICAL RESEARCH FUND:** Through the munificence of Miss Sarah H. Purser, r.h.a., a sum of €12,697 was given to Trinity College in 1942 to provide, from investment, an annual income to be devoted to the promotion of medical research in Ireland. The income from the fund pays the stipends of one or more investigators, who must be graduates of a university or hold diplomas in scientific subjects from recognised colleges. The investigators, when appointed, may carry out research in any branch of medical science in any institution in Ireland in which facilities for the investigation in hand for the time being can be made available. Investigators are appointed for periods of not more than two years by the Board of Trinity College acting on the terms of the fund. Further particulars may be obtained from the Dean of the Faculty. Value, €6,348.

30) **SHEPPARD MEMORIAL PRIZE:** In 1970 a bequest was received from the trustees of Dr. John F. Sheppard and Dr. Molly Sheppard. It is awarded to the winner of the postgraduate prize in medicine or surgery (see above). Value, €5,078.

31) **E.C. SMITH SCHOLARSHIP IN PATHOLOGY:** In 1956 a bequest was received under the will of the late Mrs I. A. Smith to found a scholarship for research in pathology in memory of her

son, Edmund Cyril Smith, formerly assistant to the Professor of Pathology in the University. The following regulations have been made by the Board: The scholarship is offered triennially and is held for two years. The scholar must carry out under the direction of a member of the staff of the medical school of Trinity College, full-time research in pathology (including immunology, virology, and such aspects of microbiology, haematology and clinical biochemistry as are relevant to disease in human beings). The research must be carried on in Trinity College, or in a Dublin hospital, save that a Smith scholar who is a graduate of the University of Dublin may, if the Supervisor considers it desirable, work elsewhere for a period of not more than twelve months. Awards are made on the recommendation of a committee comprising the Chairman of the Division of Laboratory Medicine, the Professors of Histopathology and Morbid Anatomy and the Professor of Microbiology. The first scholar was appointed in 1959. Value, €9,523 per annum.

32) STOKES KENNEDY CROWLEY PRIZE: The award was founded in 1969 by Stokes Kennedy Crowley, Chartered Accountants. A prize of €190 is awarded annually to the student on the M.B.A. course whose project is rated best by the examiners.

33) RICHARD SMYTH EXHIBITION IN TROPICAL MEDICINE: This prize was founded in 1940 by a gift from Richard Smyth to encourage the study of tropical medicine. It is offered biennially to the candidate who obtains the highest marks for (a) an essay on a tropical disease or on an aspect of tropical hygiene, and (b) reports on five cases of tropical disease personally studied by him/her either in the wards of a hospital for tropical diseases in Great Britain or Ireland, or in a tropical country. Equal marks are allotted to (a) and (b). A candidate must be a medical graduate of the University of not more than five years' standing, who has either been awarded a prize at the examination for the Richard Smyth prizes, or been adjudged by the examiners to have attained a satisfactory mark. A candidate who has been awarded the exhibition may not subsequently compete. Essays and notes on cases must be dispatched so as to reach the Dean of the Faculty not later than 31st October in the year in which the exhibition is available. Value, €2,158.

34) TECHNICON RESEARCH FELLOWSHIP: This fellowship was established in 1980 by a gift of a capital sum from Technicon (Ireland) Limited. Appointment to the fellowship is open to suitably qualified graduates, whether of this University or elsewhere. On each occasion that the fellowship is to be filled, a committee comprising the Dean of the Faculty of Health Sciences, together with the Regius Professors of Physic and Surgery, and the Professors of Obstetrics and Gynaecology and Microbiology advise on the choice of an area of research. The area of research having been approved by Technicon (Ireland) Limited, the fellowship is advertised. Applicants for the fellowship are assessed by an interviewing committee set up by the University Council on the nomination of the Dean of the Faculty. The composition of the interviewing committee will vary with the area of research. The successful applicant is appointed to the fellowship for a period of one year renewable for two further periods of one year each, and is encouraged to register for a higher degree. Value: approximately €10,792 per annum.

35) VICTORIA UNIVERSITY SCHOLARSHIP: This scholarship is open for application on an annual basis. The successful applicant must be registered for a research (M.Litt., Ph.D.) degree in TCD in the field of Irish-Australian Studies that is in the areas of historical, economic, social and scientific aspects of the relationship between Ireland and Australia. The topic of study must be one that can be effectively supervised by a member of staff at Victoria University. The scholarship does not provide for travel costs to Australia but the successful candidate will register for the year at Victoria University, Australia and will have their fees waived for that period. The year at Victoria University will be recognised by TCD as equivalent to one spent in TCD. Value, variable, depending on fee levels at Victoria University.

36) WHITE POSTGRADUATE FELLOWSHIP IN IRISH ART HISTORY: The White fellowship was established in 2007 to promote excellence in research in Irish Art History. Applicants should hold at least a 2.1 degree in Art History or a cognate subject. The award is offered for up to two years for M.Litt. students, and three years for Ph.D. students, and is subject to annual review of academic progress. The amount of the award is €15,000 maintenance per annum, plus waiver of College annual fees (subject to specified annual limits). Details of the fellowships can

be found on the website of TRIARC (http://www.tcd.ie/History_of_Art/triarc/), or by emailing the Irish Art Research Centre in the History of Art Department (triarc@tcd.ie).

37) DR. JOHN HENRY WHYTE TRUST FUND: This Fund was established in 1990 by subscription in memory of Dr. John Henry Whyte. It provides a grant for one graduate in political science each year from a university alternately in the Republic of Ireland and Northern Ireland to register in the Department of Politics at Queen's University Belfast (if from the Republic) or at UCD (if from Northern Ireland) for a Masters Degree by research or by a taught course related to the government and politics of Ireland. The award is made by the Board of Trustees. Applications are available from the Professor of Political Science and should be returned to the Department and forwarded to the Board of Trustees before the end of Hilary term for an award tenable in the following academic year. Value, €3,174 in 1995.

38) PROFESSOR D.A. WEBB SCHOLARSHIP: This scholarship was established in 1995 in memory of Professor D.A. Webb, Professor of Systematic Botany in T.C.D. The fund was established with monies provided through his estate and subsequent donations given by friends and colleagues in his memory. The scholarship is managed by three trustees, the Head of the Department of Botany, the Curator of the Herbarium, to whom application should be made, and the Provost of Trinity College Dublin. The fund is designed to allow students to understand fully, Irish plant variation, distribution and occurrence, in its wider European context. In part the fund is used to support field-work and, in part, to support needy postgraduate students undertaking relevant study. Value, €6,348 in 2001.

FOUNDATION AND NON-FOUNDATION SCHOLARSHIPS

7.22 The full regulations concerning these Scholarships are to be found in the Calendar, Part 1, page S-5 onwards.

EMERGENCY FINANCIAL ASSISTANCE SCHEME

7.23 Application must be made on a form available from the Graduate Studies Office. Only cases of extreme urgency are considered on a case-by-case basis.

Only students in, or about to enter their second or subsequent years on the register will be eligible. Only in very exceptional circumstances will an allocation of funding be repeated to the same student in a further year.

7.24 Other financial assistance: Merle Hanna award in Chemistry: This award was founded by a bequest from Miss Merle O. Hanna to provide an award for the benefit of a student or students, either postgraduate or undergraduate, in the Department of Chemistry who may have a special need, which need shall not be based on academic ability. The award is made on the nomination of the Head of the Department of Chemistry.

TRINITY TRUST TRAVEL GRANTS

7.25 The Executive Committee of the Trinity Trust makes funds available to the Graduate Studies Committee for allocation to graduate students for attendance at conferences related to their research. Regulations and application forms are available from the Graduate Studies Office. This form is also downloadable from the local page of the Graduate Studies Web site. Electronic submission of the form is not permitted. Awards are made quarterly (deadlines 1st December, 1st March, 1st June and 1st September) and application must be made in advance of travel.

MISCELLANEOUS RESEARCH TRAVEL FUNDS

7.26 Specific applications are invited as stated under each entry

- 1) ARNOULD MEMORIAL PRIZE: This prize was founded in 1981 in memory of Emile J. Arnould, Professor of French from 1945 to 1975, by a gift from Evelyn, his widow, and Nicole, his daughter (supplemented by donations from former students, colleagues and friends). It is awarded annually to enable a postgraduate student in French at the College to travel to France for research purposes. Recommendation for the award, judged on the basis of scholarly needs and excellence, but with preference given for studies in Old French, the history of the French language or related areas, is made by the Professor of French in consultation with the Supervisors concerned and departmental colleagues. Applications should be made to him/her in writing on or before the last day of Hilary teaching term. The prize which may be shared or not awarded, as considered most appropriate, is at present valued at €380.
- 2) VALDA BOYDELL GRADUATE PRIZE: This prize was founded in 2004 by a bequest from the estate of Miss Valda Boydell. It is awarded to a graduate of the University 'for study of any approved branch of the Old Testament including study in any Near Eastern country'. The prize will be awarded on the basis of the merit of a research proposal in Old Testament, for the purpose of travel (including conference attendance) in connection with such research, and for study in a Near Eastern country. In the case of two or more equally deserving proposals the prize may be divided. Submissions from postgraduates whose names are on the College books should be made to the School of Religions and Theology by 1st March. Value: €500.
- 3) CANADIAN STUDIES TRAVEL SCHOLARSHIP: This scholarship was funded by a gift from Northern Telecom Limited in 1983. Awards are made annually for one month's study/research in Canada on a Canadian topic. It is open to postgraduates of Trinity College or, should no award be made at that level, to undergraduates. Applicants should submit a curriculum vitae, study proposal and the name of one referee familiar with their work, to the Dean of Graduate Studies by 1st April of the year in which they wish to travel. The final selection will be by interview.
- 4) DR. A.J. LEVENTHAL GRADUATE TRAVELLING SCHOLARSHIP IN MODERN LANGUAGES OR LITERATURE: The A. J. Leventhal scholarship, funded by private donation and by the T.C.D. Trust, has been created to enable graduates of Irish universities who are pursuing postgraduate studies in modern languages or modern literature in Trinity College to further their studies in Europe. One award of approximately €2,285 will be made in each academic year. Applications are invited from registered postgraduate students in the Arts Faculties who are pursuing research in modern languages or modern literature. Application forms will be available from the Dean of Arts and Humanities in February each year. The closing date for receipt of applications will be 1st April. The final selection will be made by interview. The successful applicant will have to submit a detailed report of the studies undertaken during the period abroad on the scholarship.
- 5) ESTHER J. LUKER AND MAUDE COBBE BURSARY: This bursary was endowed by Miss Maude Cobbe in 1970 in memory of a friendship of nearly sixty-five years. The fund is used for graduate exchanges between Girton College, Cambridge and Trinity College, Dublin. Undergraduates may be considered if suitable graduates do not apply. Nominations to the bursary have to be agreed between the Council of Girton College and the Board of Trinity College. Application should be made to the Dean of Graduate Studies not later than 1st March each year.
- 6) LELAND LYONS TRAVELLING SCHOLARSHIP IN MODERN HISTORY: This award was founded in 1981 by a gift from the retiring Provost, Dr. Francis Stewart Leland Lyons. It is awarded biennially, at the discretion of the Professor of Modern History to a graduate student who needs to undertake travel in connection with his/her research in some aspect of modern history. It is anticipated that the award will be supplemented by a grant from the Graduate Studies Research Travel Fund. With this supplementation the current value of the scholarship is expected to be approximately €444. Application should be made to the Professor of Modern History before 31st March.

7) T. W. MOODY MEMORIAL FUND: Established in 1985 by subscription in memory of Theodore William Moody, Erasmus Smith's Professor of Modern History (1939-1977), the Fund is intended to assist graduate students to travel to libraries and archives, to enable them to obtain inaccessible material in copied form and to help them in other ways directly connected with their research. It is open to graduates of an Irish university, of not more than seven years' standing, who are engaged in research leading to a higher degree in history. The Fund is administered by the Erasmus Smith's Professor of Modern History (to whom application should be made before 1st May) and representatives from Trinity College Dublin, The National University of Ireland, and a Northern Irish University.

8) OWEN SHEEHY SKEFFINGTON MEMORIAL AWARDS

This fund was established in 1973 from funds contributed in memory of Dr Owen Sheehy Skeffington. The annual award takes the form in alternate years of a travelling scholarship (2006) (the award in 2002 was €1,142) and a maintenance grant (2007). The travelling scholarship is available to any registered student at an institution of higher education in this country. The award is for travel to France and applications are sought by public advertisement. The selection will be made on the recommendation of a committee. For details of the maintenance grant see financial assistance.

9) ROYAL CITY OF DUBLIN HOSPITAL POSTGRADUATE TRAVELLING PRIZE: This prize was established in 1992 at the request of the Board of the Royal City of Dublin Hospital, Baggot Street, which donated a capital sum comprising bequests to the hospital associated with prizes commemorating Dr Alfred Parsons, Dr William Wheeler and Dr John Briscoe. The prize is open to all medical graduates of the College of not more than five years' standing and who are seeking financial assistance towards the cost of a short period of work, study or research (including the cost of books) in a medical unit abroad. The prize is awarded annually on the recommendation of a committee appointed from time to time by the Board of Trinity College, which, in appointing the members of the committee will keep in mind the desire of the donors that at least one member of the committee shall be a medical member of the Board of the Royal City of Dublin Hospital, Baggot Street. Value, €2,222.

10) TAYLOR BEQUEST IN MUSIC: The bequest was made in 1978 by Eileen Taylor to provide for an Entrance Exhibition (see Calendar Part 1, page U4). The surplus of the fund shall be applied to postgraduate and research work in music at the discretion of the Professor of Music (or Head of Department) in consultation with the School of Music Committee. Applications to the fund should be made directly to the Professor of Music or Head of Department.

11) DAVID A. WEBB MEMORIAL TRAVEL SCHOLARSHIP: The Trustees of the D.A. Webb Scholarship can make available up to 50% of the net interest received under Section 7, Paragraph 7.20 above to support travel, accommodation and subsistence expenses for students undertaking field study of the Irish Flora in its European context. Under exceptional circumstances, awards may be made to support attendance at conferences or other symposia. Written applications of no more than 2 pages in length, are to be made to the Curator of the Herbarium, acting for the Head of the Department of Botany before 1st March during the year in which funding is sought.

8. POSTGRADUATE DEGREE AND DIPLOMA COURSES - ANNUAL FEES 2007/08

The University of Dublin Calendar Part 1 contains the general regulations applicable to all College charges. The following list of annual fees is extracted from that publication and is given for reference purposes only. Applicants should note that there are a number of other charges which may be levied in certain circumstances. All students must pay a students' union levy each year in addition to the annual fees scheduled below. The University of Dublin Calendar Part 1, College Charges section is to be taken as definitive in the event of any discrepancy or conflict with the material reproduced below. The Board of Trinity College, Dublin, is not bound by any error in, or omission from the following.

SUMMARY OF POSTGRADUATE ANNUAL FEES

1 Postgraduate students not registered for higher degrees but admitted for one year or one term in accordance with admission requirements, pay fees as follows:

One-year students based in the Faculty of Arts, Humanities and Social Sciences (excluding the Department of Clinical Speech and Language Studies and the School of Psychology): €4,900 for E.U. or €14,516 for non-E.U.

One-year students based in the Faculties of Engineering, Mathematics and Science, Health Sciences, the Department of Clinical Speech and Language Studies and the School of Psychology: €6,509 for E.U. or €19,020 for non-E.U.

One-term students admitted to any faculty will be required to pay a term fee as follows: €1,880 for E.U. or €5,908 for non-E.U.

Students attending for two terms will be required to pay double the one-term fee.

The fees must be paid before 1 September or by the date requested if later.

2 Students may be admitted to attend one specific course of lectures for a term on payment of a fee of €672. To attend more than one course of lectures students must register as and pay the fee prescribed for one-term students. All fees mentioned in this paragraph must be paid before 1 September for Michaelmas term, before 1 December for Hilary term and before 1 March for Trinity term.

There is a conferring fee of €111 payable by all students when they apply for Commencements.

		e.u. Euro €	non-e.u. Euro €
B.D.	qualifying test fee (when applicable)	245	
	examination fee (for six divisions)		
	payable on registration	1,102	
	dissertation or special examination fee	875	
D.D.*	examination and degree fee	2,449	
LL.D.*	examination and degree fee	2,449	
Litt.D.*	examination and degree fee	2,449	
Mus.D.*	examination and degree fee	2,449	
Sc.D.*	examination and degree fee	2,449	
M.Ch., M.A.O., and M.D.	examination and degree fee	3,537	
	re-registration fee (see note 1)	370	
M.Dent.Sc.	examination and degree fee	3,537	
	re-registration fee (see note 1)	370	
M.Dent.Ch. (taught)	annual fee	19,099	36,753
M.A.I. (excluding course)	examination and degree fee	3,537	
	re-registration fee (see note 1)	370	
M.A.I. (course)	annual fee (see note 2)	5,344	19,088
M.B.A.	annual fee (see note 2)	23,500	23,500
M.Ed.	annual fee (see note 2)	5,132	14,579
	annual fee (2nd year) (see note 2)	5,132	9,052
	annual fee (subsequent years)	2,566	4,536

M.Litt.	annual fee (1st and 2nd years)	4,244	10,844
	annual fee (subsequent years) (see note 3)	2,250	4,546
LL.M.	annual fee (see note 2)	7,387	17,214
M.Phil. in Anglo-Irish Literature	annual fee (see note 2)	5,471	14,738
M.Phil. in Applied Linguistics	annual fee (see note 2)	5,471	14,738
	annual fee (2nd year part-time) (see note 2)	2,022	4,695
M.Phil. in Comparative Literature	annual fee (see note 2)	5,257	12,616
M.Phil. in Creative Writing	annual fee (see note 2)	6,623	15,106
M.Phil. in Early Irish	annual fee (see note 2)	5,257	12,461
M.Phil. in English Language Teaching	annual fee (see note 2)	6,000	15,150
M.Phil. in Ethnic and Racial Studies	annual fee (see note 2)	7,021	16,675
M.Phil. in Film Theory and History	annual fee (see note 2)	5,823	15,069
M.Phil. in Gender and Women's Studies	annual fee (see note 2)	5,500	14,000
	annual fee (1st and 2nd years part-time) (see note 2)	2,750	7,000
M.Phil. in German Literature with Language Pedagogy	annual fee (full-time) (see note 2)	5,085	13,372
	annual fee (part-time) (see note 2)	3,147	8,220
M.Phil. in Irish Art History	annual fee (see note 2)	5,885	14,980
M.Phil. in Linguistics	annual fee (see note 2)	5,471	14,738
	annual fee (2nd year part-time) (see note 2)	2,022	4,566
M.Phil. in Literary Translation	annual fee (see note 2)	5,347	13,212
M.Phil. in Literatures of the Americas	annual fee (see note 2)	6,190	14,118
M.Phil. in Medieval History	annual fee (see note 2)	5,885	14,980
M.Phil. in Medieval Language, Literature and Culture	annual fee (see note 2)	4,878	11,795
M.Phil. in Modern Irish History	annual fee (see note 2)	6,415	19,594
M.Phil. in Music and Media Technologies	annual fee (see note 2)	6,874	16,513
M.Phil. in Popular Literature	annual fee (see note 2)	6,603	15,069
M.Phil. in Psychoanalytic Studies	annual fee (see note 2)	6,879	14,738
M.Phil. in Reconciliation Studies	annual fee (full-time)	5,872	13,809
	annual fee (part-time)	3,407	7,803
M.Phil. in Reformation and Enlightenment Studies	annual fee (see note 2)	5,885	14,980
M.Phil. in Social Work Research	annual fee (see note 2)	5,408	19,088
M.Phil. in Speech and Language Processing	annual fee (see note 2)	5,471	14,738
	annual fee (2nd year part-time) (see note 2)	2,022	4,695
M.Phil. in Textual and Visual Studies	annual fee (see note 2)	4,755	14,175
M.Phil. in Theatre and Performance	annual fee (see note 2)	5,570	14,413
M.Phil. (Ecum.)	annual fee (full-time)	5,872	13,809

	annual fee (part-time)	3,407	7,803
M.Phil. (Peace Studies)	annual fee (full-time)	5,872	13,809
	annual fee (part-time)	3,407	7,803
M.Sc.	annual fee (1st and 2nd years)	5,038	12,911
	annual fee (subsequent years) (see note 3)	2,646	5,410
M.Sc. (courses)	annual fee (see note 2)	5,344	19,088
M.Sc. in Applied Psychology	annual fee (full-time) (see note 2)	7,088	15,015
M.Sc. in Applied Social Research	annual fee (part-time) (see note 2)	4,040	8,085
	annual fee (see note 2)	6,998	13,996
M.Sc. in Biodiversity and Conservation	annual fee (see note 2)	5,885	18,388
M.Sc. in Bioengineering	annual fee (1st, 2nd and 3rd years)	6,733	16,448
M.Sc. in Biomedical Sciences (intercalated)	annual fee (1st year) (see note 2)	5,000	10,000
	annual fee (2nd year) (see note 2)	2,500	5,000
M.Sc. in Cardiac Rehabilitation	annual fee (see note 2)	7,056	17,495
M.Sc. in Cardiology	annual fee (see note 2)	6,164	34,232
M.Sc. in Chemical and Biological Techniques I	annual fee (2 years) (see note 2)	6,634	13,375
M.Sc. in Chemical and Biological Techniques II	annual fee (3 years) (see note 2)	5,350	10,700
M.Sc. in Child and Adolescent Psychoanalytic Psychotherapy	annual fee (see note 2)	3,863	16,196
M.Sc. in Child Protection and Welfare	annual fee (see note 2)	5,342	19,088
M.Sc. in Civil Engineering	annual fee (see note 2)	5,589	16,766
	annual fee (2nd year part-time) (see note 2)	2,666	5,431
M.Sc. in Clinical Biochemistry and Biomedical Sciences	annual fee	5,149	19,088
	annual fee (3rd year part-time)	4,886	19,088
M.Sc. in Clinical Chemistry	annual fee (see note 2)	5,832	13,996
M.Sc. in Clinical Speech and Language Studies	annual fee (see note 2)	4,629	12,246
M.Sc. in Clinical Supervision	annual fee (see note 2)	7,250	14,500
M.Sc. in Community Pharmacy	annual fee (see note 2)	5,038	10,826
M.Sc. in Computer Science (Interactive Entertainment Technology)	annual fee (see note 2)	8,129	
M.Sc. in Computer Science (Mobile and Ubiquitous Computing)	annual fee (see note 2)	4,815	14,980
M.Sc. in Computer Science (Networks and Distributed Systems)	annual fee (see note 2)	4,815	14,980
M.Sc. in Counselling Psychology	annual fee (1st and 2nd years)	11,541	17,134
M.Sc. in Drug and Alcohol Policy	annual fee (see note 2)	4,928	19,088
M.Sc. in Economic Policy Studies	annual fee (see note 2)	11,546	23,093
M.Sc. in Environmental Sciences	annual fee (see note 2)	5,344	19,088
M.Sc. in Exercise Physiology	annual fee (see note 2)	6,800	13,600
M.Sc. in Gerontological	annual fee (full-time) (see note 2)	8,047	15,745

Nursing	annual fee (part-time) (see note 2)	4,199	11,680
M.Sc. in Global Health	annual fee (see note 2)	8,074	23,514
M.Sc. in Health Informatics	annual fee (see note 2)	4,815	14,980
M.Sc. in Health Services Management	annual fee (1st year) (see note 2)	8,889	18,949
	annual fee (2nd year) (see note 2)	8,274	18,949
M.Sc. in High Performance Computing	annual fee (see note 2)	5,837	12,546
M.Sc. in Hospital Pharmacy	annual fee (see note 2)	4,220	16,361
M.Sc. in Integrated Systems Design	annual fee (see note 2)	9,364	
M.Sc. in Mammalian Cell Physiology	annual fee (see note 2)	8,560	12,840
M.Sc. in Management of Information Systems	annual fee (see note 2)	4,815	14,980
M.Sc. in Mechanical Engineering (Erasmus Mundus)	annual fee (see note 6)	6,998	11,000
M.Sc. in Medical Imaging	annual fee (see note 2)	4,468	13,365
M.Sc. in Mental Health	annual fee (see note 2)	4,199	11,680
M.Sc. in Midwifery	annual fee (full-time) (see note 2)	8,047	15,745
	annual fee (part-time) (see note 2)	4,199	11,680
M.Sc. in Molecular Medicine	annual fee (full-time) (see note 2)	7,043	18,179
	annual fee (part-time) (see note 2)	4,727	12,145
M.Sc. in Molecular Pathology	annual fee (full-time) (see note 2)	5,928	16,469
	annual fee (part-time) (see note 2)	4,413	12,032
M.Sc. in Multimedia Systems	annual fee (see note 2)	4,815	14,980
M.Sc. in Neuroscience	annual fee (see note 2)	5,038	10,826
M.Sc. in Nursing	annual fee (full-time) (see note 2)	8,047	15,745
	annual fee (part-time) (see note 2)	4,199	11,680
M.Sc. in Occupational Therapy	annual fee (see note 2)	5,120	14,175
M.Sc. in Paediatrics	annual fee (see note 2)	6,416	27,326
M.Sc. in Palliative Care	annual fee (see note 2)	4,199	11,669
M.Sc. in Pharmaceutical Analysis	annual fee (full-time) (see note 2)	8,034	19,936
	annual fee (part-time) (see note 2)	5,961	14,970
M.Sc. in Pharmaceutical Manufacturing Technology	annual fee (see note 2)	9,181	9,181
M.Sc. in Pharmaceutical Medicine	annual fee	4,827	13,167
M.Sc. in Pharmaceutical Technology	annual fee (full-time) (see note 2)	8,939	21,287
	annual fee (part-time) (see note 2)	5,625	13,333
M.Sc. in Physical Sciences in Medicine	annual fee (1st and 2nd years)	5,908	19,068
	annual fee (subsequent years)	2,646	5,411
M.Sc. in Psychoanalytic Psychotherapy	annual fee (see note 2)	6,877	17,067
M.Sc. in Public Sector Analysis	annual fee (see note 2)	13,723	
M.Sc. in Sports and Exercise Medicine	annual fee (see note 2)	9,118	12,747
M.Sc. in Technology and Learning	annual fee (see note 2)	4,815	14,980
M.Sc. (Econ.)	annual fee (see note 2)	6,000	12,000
M.Sc. (Mgmt) in Business Administration	annual fee (see note 4)	15,569	
M.Sc. (Mgmt) in International Business	annual fee (see note 4)	18,500	18,500

M.Sc. (Mgmt) in Management Practice	annual fee (see note 4)	18,755	
M.Sc. (Mgmt) in Organisation Behaviour	annual fee (see note 4)	13,000	
M.Sc. (Mgmt) in Strategic Management (Public Sector)	annual fee (see note 4)	15,569	
M.St. in Curriculum Studies	annual fee (see note 2)	5,132	14,579
M.St. in School Leadership	annual fee (see note 2)	5,132	14,579
M.S.W.	annual fee	5,574	15,088
Ph.D. in the Faculty of Arts, Humanities and Social Sciences (excluding the Department of Clinical Speech and Language Studies and the School of Psychology)	annual fee (1st and 2nd years)	4,244	10,844
	annual fee (3rd year)	4,244	9,092
	annual fee (subsequent years) (see note 3)	2,250	4,546
Ph.D. in the Faculties of Engineering, Mathematics and Science, Health Sciences, the Department of Clinical Speech and Language Studies and the School of Psychology	annual fee (1st and 2nd years)	5,038	12,911
	annual fee (3rd year)	5,038	10,826
	annual fee (subsequent years) (see note 3)	2,646	5,410
Ph.D. in Molecular Medicine	annual fee (1st, 2nd and 3rd years)	5,038	10,826
	annual fee (subsequent years) (see note 3)	2,646	5,410
Ph.D. in Neuroscience	annual fee (1st, 2nd and 3rd years)	5,038	10,826
	annual fee (subsequent years) (see note 3)	2,646	5,410
Ph.D. in Political Science	annual fee (see note 2)	7,556	14,392
D.Clin.Psych.	annual fee (see note 2)	13,953	
D.Ed.	annual fee (1st, 2nd and 3rd years)	5,482	10,730
	annual fee (4th and 5th years)	4,898	9,797
Thesis revision fee (Arts, Humanities and Social Sciences)	one year (see note 5)	1,689	1,689
Thesis revision fee (Engineering, Mathematics and Science)	one year (see note 5)	1,982	1,982

Notes

* No fee for eligible members of staff.

1 The fee applies to students registered for professional higher degrees from their third year onwards, i.e. the examination and degree fee covers the first two years of registration. However, students who are in full-time attendance at Trinity College are liable for the same reduced annual fee as applies for degrees by research (see note 3 below).

2 Students who do not complete their Masters degree course in the required time will have to re-register and pay the same reduced annual fee as applies for degrees by research (see note 3 below).

3 Students entering the third and subsequent years on the M.Sc. (by research) and M.Litt. registers and the fourth and subsequent years on the Ph.D. register will be required to pay this reduced continuation fee.

4 This course is organised jointly with the Irish Management Institute.

5 Where the revised thesis is submitted within six months of the original thesis submission date a reduced fee of €1,054 will be payable.

6 Students on this course pay the annual fee only for the year spent in Trinity College.

POSTGRADUATE DIPLOMA AND HIGHER DIPLOMA COURSES - ANNUAL FEES

(see also footnote 1 below)

		e.u. Euro €
Applied behaviour analysis	annual fee	7,000
Applied building repair and conservation	annual fee	5,045
Bioengineering	annual fee	6,673
Child protection and welfare	annual fee ²	6,117
Clinical engineering (equipment management)	annual fee	5,672
Clinical health sciences education	annual fee	4,199
Clinical speech and language studies (dysphagia)	annual fee	4,629
Clinical supervision (psychology)	annual fee	6,250
Cognitive psychotherapy	annual fee	10,034
Community pharmacy	annual fee	4,469
Computer science (mobile and ubiquitous computing)	annual fee	4,815
Computers for engineers	annual fee	3,852
Conflict and dispute resolution studies	annual fee	5,594
Construction law and contract administration	annual fee	6,600
Dental health	annual fee ³	8,630
Ecumenics	annual fee (full-time)	5,872
	annual fee (part-time)	3,407
Education	annual fee	4,528
	annual fee (2nd year when applicable)	1,694
Environmental engineering	annual fee	5,550
Exercise physiology	annual fee	6,800
Fire safety practice (buildings and other structures)	annual fee	5,550
Gynaecology and obstetrics	annual fee ⁴	9,679
Health and safety in construction	annual fee	5,045
Health informatics	annual fee	4,815
Higher diploma in children's nursing	annual fee	11,277
Higher diploma in midwifery	fee	17,308
Higher diploma in psychology	annual fee	8,955
Highway and geotechnical engineering	annual fee	5,550
Magnetic resonance imaging technology	annual fee	4,692
Management	annual fee	14,700
Molecular medicine	annual fee	4,529
Music and media technologies	annual fee	6,811
Nuclear medicine	annual fee	4,692
Old Irish	annual fee	4,554
Oncological nursing	annual fee	6,560
Peace studies	annual fee (full-time)	5,872
	annual fee (part-time)	3,407
Pharmaceutical analysis	annual fee (full-time)	8,034
	annual fee (part-time)	5,961
Pharmaceutical manufacturing technology	annual fee	9,181
Pharmaceutical medicine	annual fee (1st year)	4,827
	annual fee (2nd year)	3,755
Pharmaceutical technology	annual fee (full-time)	8,939
	annual fee (part-time)	5,625
Physical planning	annual fee	5,550
Primary health care	annual fee	8,146
Project management	annual fee	5,550
Specialist nursing	annual fee	6,560
Statistics	annual fee (1st year)	3,852
	annual fee (2nd year)	749

Footnotes

1 All non-E.U. diploma students (other than dental health, and gynaecology and obstetrics) will be liable for an annual fee of three times the annual E.U. fee or €15,023 whichever is the lower. The only exception to this will be where a specific fee has been set for the course. Please check with the Treasurer's Office for details.

2 There will be a 33 per cent reduction for students employed by an agency funded by the Department of Health and Children.

3 This is a standard tuition fee for all students irrespective of country of residence or nationality.

4 This is a standard tuition fee for all students irrespective of country of residence or nationality and includes the fees for the Rotunda Hospital. Accommodation costs are not included.

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